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1992 ISSUE 3

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APC

**PC1082 MINWORD:** Easy level word processor with all the necessities like word wrap, block move and delete, justification and deleting, search and replace, etc. Described by the author as "The little word processor you can learn in minutes", this program is ideal for social sci. files and those who don't need the complications of more powerful packages to write short letters or notes.

**PC1083 MULTI FONT WRITER:** Chiwriter, an excellent multi font word processor with true what you see is what you get capabilities. Includes ten fonts including Greek, Script, Italics, Scientific, and Mathematical notation. Requires Epson compatible or IBM Graphics dot matrix printer.

**PC1085 WORD PROCESSOR FOR KIDS:** Word processing program designed for children to help them learn about writing and using the computer. All this whilst keeping it fun. Ideal for children of all ages. Also suitable for partially sighted PC users.

**PC1006 BOXER TEXT EDITOR:** Full featured text editing system. Features include 512 level undo, full mouse support, 43/50 lines for EGA/VGA, multiple files and windows, column marking, macros, colours, pull down menus, word processing, and on line help. Also features forward and backward searches with wildcards, EMS swap for DOS shell, graphic drawing, auto indent, find mating parenthetical characters, block sort, total, average, fill, print, and much more. This program has received rave reviews world wide.

**PC1007 MYED MEMORY RESIDENT EDITOR:** Memory resident "pop-up" word processor you can use even whilst using another program. Takes advantage of extended or expanded memory, or can swap from hard disk. If you have EMS only occupies 7K of DOS RAM. Manipulate files up to 500 lines in length.

**PC1008 KWIK WRITE:** Easy to use, compact word processor suitable for most users. It allows you to create documents such as letters, reports, and manuscripts. The editor uses standard ASCII text files, so it may be used for E-mail, programming and creation of other text files. It also allows merging of information from dBase III type database files to provide easy mail merge capabilities. Can be run from floppy or hard disk, ideal for lap top users. Program includes a tutorial to get you started. \*NEW\*

**PC1009 PC DESK:** Good program that allows you to keep a file of names and addresses and easily merge them into your documents using the inbuilt word processor. For the sake of completeness as a business tool also provides handy access to a calendar, calculator, and phone dialler.

**PC1010 TECHWRITER:** Word processor specially designed to make technical typing involving complex symbolic expressions fast easy and accurate. Lets you enter scientific formulae, tables, and figures into your document and uses screen colours instead of graphics for faster output.

**PC1017 PERSONAL QWERTY:** Program designed for those who are moving up from a typewriter to computerised word processing. It functions like a Selectric typewriter. Easy to use, the program includes a tutorial and good documentation to get you started. Features include word wrap, underscore, boldface, and italics printing. Also allows the printing of box characters, search and replace, block copy, and mail merge features.

**PC1022 SPELLRITE:** Memory resident pop up dictionary program which contains almost 17,000 hard to spell words with short definitions. Can be used as a reference while using another application, although it cannot be considered a full spelling checker. When in memory resident mode consumes 35K of RAM. Can also be used in stand alone mode as a reference source. Requires a Hard Disk.

**PC1024 SHARESPELL:** Excellent stand alone spelling checker. Allows you to check text files, and displays the file on screen whilst checking. At each misspelling it gives you the option of replacing the word from a list of suggested correct spellings, manually correcting the word, adding the word to the dictionary, or ignoring the word. Comes with a dictionary of 50,000 words which can be easily added to.

**PC1026 PC-INDEX:** Program designed to produce an index to any text file similar to that found in the back of most books. PC-INDEX can produce an index on every single word in a document, or you can control which words will be included or discarded. Unlike most indexers you do not have to mark text to index in your document. Program requires 384K RAM minimum.

**PC1027 THESAUR PLUS:** Memory resident thesaurus. Program resides in memory until you hit a hot key and then Thesaur Plus pops up over the program you are currently running. It automatically looks up the word the cursor is under, or asks you for a word to look up, and displays the synonyms for that word if found. There are over 10,000 main words and close to 50,000 synonyms. You can also add your own synonyms, and even delete words you consider inappropriate. Can use as little as 24K RAM overhead.

**PC1028A JORJ DICTIONARY DISK 1:** Concise easy to use English language dictionary for use on your PC. The 58000 word database provides a handy reference to find the spelling or meaning of a word. The screen display also includes all inflected forms of the root word. JORJ also has a phonetic capability, so even if you don't know how to spell the word you can type in a sound alike and JORJ will find the word for you. In addition to normal look up mode JORJ also provides a scan or browse mode to look up a number of words. Can be used in stand alone mode or memory resident pop up mode for use within most application. Requires hard disk. Requires PC1028B.

**PC1028B JORJ DICTIONARY DISK 2:** Second disk of the JORJ dictionary program. Contains essential files for the program. Requires PC1028A.

**PC1029 EZX-WORD:** Wordstar compatible word processor with hundreds of features including pull down menus with on line help, windows which let you edit two files at once, macros for recording repetitive commands or boilerplates, print spooling which allows you to continue editing while your printer does its thing. Supports most popular printers including bold, italics, underline, super and subscript, and alternative fonts. Includes a handy shell to DOS capability, headers and footers, fast search and replace, word wrap, justification, automatic file back-up, and much more. Even includes an inbuilt spelling checker which suggest possible corrections for words it does not recognize.

**PC1030 JEPERS REFERENCE LISTER:** Program designed to maintain a database of references to articles published in journals and books. It allows you to add, update, list, search, and format references in the format required for practically any journal.

**PC1031 BIBLIOGRAPHY PERFECT:** Bibliography program for use in conjunction with the WordPerfect word processor. The program will sequentially re number references in a paper and its bibliography whenever new ones are added or removed, or when blocks of text are relocated. The text file is a standard WP document, and the bibliography is a WP merge file, so it can be adjusted to suit different journal formats. Also includes source code in Pascal.

**PC1032 CRITIC STYLE ANALYSER:** A writing analysis system that gives a full report of word and sentence lengths, index of readability, active and passive verb use, repeated words, and also catches some grammatical errors. Reads ASCII or Wordstar (v4.0 or earlier) text files. Lots of tips and hints in the final report.

**PC1033 READABILITY PLUS:** Menu driven program is much more than a classical style checker. In addition to evaluating your mixture of long and short sentences, identifying wordy complicated, and difficult sentences; computing readability indices, and generally pointing out good writing structure. It also makes graphic reports, word substitution hints, and compares your writing style to 9 different classical models including newspaper and magazine articles, novels, young people's books, technical manuals, and bureaucratic writing. Reads files created by WordPerfect, Microsoft Word, WordStar, and standard ASCII text files.

**PC1037 READRITE:** Memory resident style analyser that allows you to determine the readability of text using the Flesch scale, of text on your screen as you type it. Not as sophisticated as the other style analysis programs but it lets you analyse the text as you write it.

**PC1038 PROFESSIONAL SCRIBE:** Excellent style analysis program for writers of all age. Provides report on the quality of your writing, as well as suggestions on how to improve it. Helps make your writing more effective. reads files in ASCII format, WordPerfect, MS Word, and Wordstar format, or you can type text directly into the program.

**PC1039A WORD FUGUE DISK 1:** Heavy duty word processor intended for a wide variety of word processing and editing tasks. As installed, it is ideal for the touch typist as there is no need to take your hands off the home row to activate any function. Can also be used by the novice, and provides context sensitive help at the press of the F1 key. Uses pull down menus, or command sequences that can be configured upon installation. Up to 8 editing windows can be open at any time, and a 30,000 word spelling checker is included. Comprehensive printer and monitor support, and support for contents and index generation make this an excellent word processor for the power user. Written in Australia, program requires a Hard Disk. Requires PC1039B.

**PC1039B WORD FUGUE DISK 2:** Second disk of the Word Fugue word processor. Contains essential files for use with the program. Requires PC1039A.

**PC1040 FORM GENERATOR:** Good form generating package with comprehensive help available on screen at all times. Allows you to produce good looking forms easily.

**PC1041 EZ FORMS FIRST:** Forms manager which lets you, the user generate master forms tailored to your unique needs. Master and completed forms can be stored as well as printed easily. Once a master form has been created and saved it can be recalled and used an unlimited number of times to produce completed forms. Supports Epson and IBM compatible dot matrix printers. Good introductory forms design program for those with limited systems.

**PC1042 FORM MASTER:** Powerful forms software package that allows you to create, modify, fill in, and print forms. Allows you to produce blank forms to fill in later, produce forms with data already filled in, or just print the data required into forms previously produced. Supports most printers and can easily be configured for non standard printers. Even allows you to produce specific on screen help screens for your forms.

**PC1043A INFORMZ DISK 1:** Powerful yet easy to use forms generating software. Form design, maths, date, and database, as well as "auto-edit" features are built in. The program can link forms to a database of names, addresses, and phone numbers etc, filling out the form for you. You can load and print any ASCII file, dress them up with boxes, lines, and shading, or vary fonts, line spacing, etc. to produce the form you want. Finally you can store the form for future use. Works with almost all printers including dot matrix and laser printers. Requires PC1043B.

**PC1043B INFORMZ DISK 2:** Second disk of INFORMZ FORM set. Requires PC1043A.

**PC1044 POPFORM:** Memory resident program that can be called up from within any application to extract data from your screen, and merge it into a form that can be sent to your printer or saved to disk. Far more than just a label/envelope printing utility, POPFORM can be programmed to fill in virtually any form.

**PC1045 FORMFIT FORM PRINTER:** Formfit allows you to quickly fill out pre printed forms using your computer printer. You electronically define forms according to where information is to be printed, and you label these locations for ease of reference. With the edit option you can later edit just the information that has been updated, supply new information, or completely fill a new form. The form itself can be redesigned easily at any time.

**PC1046 LEARN A FORM:** Excellent program designed to allow you to easily fill in pre printed forms using your PC and a standard printer. You train your computer to learn each form, and store the image on disk. You then produce a data file with the information required to fill in the form. Then using your printer you can easily fill in any form required quickly and accurately. Context sensitive help is available at all times.

**PC1048A EZ FORMS EXECUTIVE DISK 1:** Big brother of the EZ FORMS LITE package. Contains all of the features of the LITE package, plus lots more. Features include maths functions including squares and roots, trigonometric, and financial calculations, HP LaserJet support, macros capability, multi character drawing, easy fill in and file features, ASCII data file merge, sophisticated printer support, file encryption, mouse support, and much more. Requires 640K RAM and a Hard Disk. Requires PC1048B.

**PC1048B EZ FORMS EXECUTIVE DISK 2:** Second disk of the EZ FORMS EXECUTIVE package contains documentation and help files. Requires PC1048A.

**PC1051 IRIS ELECTRONIC BOOKMAKER:** Interesting program allows you to easily create an electronic "book" to read on any PC. Make the most of the advantages of reading a book on a computer, such as being able to jump around instantaneously, and enhancing the presentation by the use of sound and colours. User input can be requested and stored, programs can be run from within the book. Can be used for many applications from reference books to producing your own tutorials.

**PC1052 HYPERINK:** Excellent graphics based book making program for your PC. Produce a real looking book on your PC which can be read by others on screen. The use of graphics makes this an excellent way to present information. Allows you to use graphics in PCX format, and integrate it with the text. Using hypertext concepts it allows you to easily associate pieces of information, and find the information as you need it effortlessly.

**PC1053 HYPER HELPER:** Utility that enables you to construct custom hypertext help and reader systems. Hyper Helper consists of a hypertext compiler and browser which enables you to create and view hypertext files. A hypertext help system begins as a text file that contains the information that is to be displayed by the browser. In addition special link commands are embedded into the text which specify how you will be able to move about the information. The compiler then reads the file, and translates it into a special hypertext format that you can view with the browser. The disk contains a sample hypertext file to get you started.

**PC1054 STORYTELLER:** Mouse driven hypertext program. It allows you to create electronic documents which can be set up with a tree structure. The pages of your documents can have related sub pages, which in turn have sub-sub pages. Documents created with Storyteller can include pictures, and have available easy to use typographic controls, including proportional spaced serif and sans-serif type, symbols and special characters and boldface. Storyteller is an ideal tool for creating reports, manuals, interactive fiction, and so on. It is easy to use, requiring no programming or complex coding, and will run on any system with a mouse. Documents created with Storyteller can be of any size. The Storyteller runtime can be distributed freely by registered users. Requires a mouse.

**PC1056 WINDOWS WINEDIT:** A new text editor designed to take advantage of the Windows 3.0 graphical environment. First and foremost a programmer's editor, with features designed for creating and maintaining program source code. With ASCII file format, ability to edit files of almost unlimited size, and word processing features such as word wrap, header and footers, it serves as an effective front end for desktop publishers and word processors including PageMaker, WinWord, and Ventura. Includes multiple document interface, and much more. Requires Microsoft Windows 3.0 or higher.

**PC1063A LASER LETTERHEAD DISK 1:** Program is an easy to use laser printing program that will allow you to create Letterhead Stationary and matching envelopes on your HP LaserJet printer or compatible. All font handling is handled automatically by the program. With a few menu choices you can create Stationary that looks as though it came from a typesetter's bench. Requires PC1063B.

**PC1063B LASER LETTERHEAD DISK 2:** Second disk of the Laser Letterhead package containing comprehensive documentation and supplementary files. Requires PC1063A.

**PC1066A RUBICON PUBLISHER DISK 1:** Rubicon is not a true Desk Top Publisher as most people know them. It is designed to publish text that has been previously prepared in plain ASCII format using a standard word processor. It is not really designed for beginners, but offers a number of powerful features for serious users. It will allow you to produce high quality documents with a variety of fonts. Does not handle graphics. Requires PC1066B. \*NEW\*

**PC1066B RUBICON PUBLISHER DISK 2:** Second disk of the Rubicon Publisher program. Requires PC1066A. \*NEW\*

**PC1080 THOUGHT ORGANISER:** Thor, a brain scanning program. Record your thoughts, ideas, etc on any topic and store it with this system. Then review them, edit them, scan them, and print them as you need. Great for students and business people alike. Comprehensive on screen help available at all times.

**PC1082 THOUGHT PLANNER:** Innovative software tool for brainstorming and outline generating. It will allow you to record your creative ideas and flights of imagination as they occur to you, and then group them under major categories, and assign priorities in an outline form. You can easily realign them according to the perspective in which you wish to consider them.

**PC1083 IDEA TREE:** Powerful, and unique thinking tool. Unlike "outline" software, IDEA TREE takes a general concept, or "parent" idea, and allows you to visually separate the concept into its components or "children". Each of these components can then be broken down further allowing an immense amount of information to be detailed. The program uses a graphical representation and provides a number of print options. Menu driven for ease of use the program allows you to organise and document thoughts, books, reports, procedures, and much more.



**PC1084A DYNAMIND DISK 1:** Interesting program that can be described as an idea processor or thinking tool. You can use it whenever you have a particularly complex or important problem to solve, or to develop innovative or creative new approaches to a situation. It assists you in identifying and prioritising your goals, and in understanding what is motivating you towards them. Good for business and personal use. Requires PC1084B.

**PC1084B DYNAMIND DISK 2:** Second disk of DYNAMIND set. Requires PC1084A.

**PC1085 OUTLINE PLUS:** Excellent program for helping you develop and use electronic outlines as document planning tools. Program can be used to plan documents, as an idea worksheet, an activity planner, and much more. In general Outline Plus can be useful whenever you are organising ideas or concepts into a formal structure. Also lends itself to classification tasks, with its built in decimal and classical labelling notation that automatically adjusts to changes in the structure. Shares many features with a text editor, as well as many features unique to its outlining power. Difficult to describe, this program will make life easier for all writers. \*NEW\*

**PC1090 FORM LETTERS 1:** Collection of common business letters that can easily be tailored to your needs. All in standard ASCII format for use with almost any word processor. Includes overdue account letters, apologies, credit application and denials, order inquiries and many more.

**PC1095A GRAB PLUS DISK 1:** Pop up or stand alone envelope address printer can print both from and to addresses. Grabs address to print from screen or you can enter it in a window or get it from an included simple name and address database. Works with most word processors. Frills include customisable printer commands to support almost any printer, and can print sideways on Epson compatible dot matrix printers. Includes LaserLabel to print data files from the Grab Plus database. In TSR mode only uses 6K of RAM. This program has received rave reviews worldwide and is of use to almost anyone who writes letters. Requires PC1095B.

**PC1095B GRAB PLUS DISK 2:** Second disk of the Grab Plus package. Contains essential files. Requires PC1095A.

**PC1096 ENVLJ ENVELOPE PRINTER:** ENVLJ is a program which prints envelopes on the HP Laserjet, Laserjet+, and Laserjet Series II or compatible laser printers. It does not require a font cartridge or special envelope feeders. Both the receivers and senders details can be included on an envelope. Envelopes can be done individually or in groups from your database.

**PC1100 ARABIC WORD PROCESSOR:** Intext multilingual word processor package allows you to word process in English and Arabic, and view the characters on screen, and print to an Epson compatible or IBM Proprinter compatible printers. Has all the features of normal word processors including temporary margins, search and replace, left, right, and centre alignment, double width, bold, super and subscript, and more. Requires 512K RAM.

**PC1101 YUGOSLAV WORD PROCESSOR:** Intext multilingual word processor package allows you to word process in English and Yugoslav, including Macedonian, Croatian, Slovenian, and Albanian, and view the characters on screen, and print to an Epson compatible or IBM Proprinter compatible printers. Has all the features of normal word processors including temporary margins, search and replace, left, right, and centre alignment, double width, bold, super and subscript, and more. Requires 512K RAM.

**PC1102 URDU WORD PROCESSOR:** Intext multilingual word processor package allows you to word process in English and Urdu, and view the characters on screen, and print to an Epson compatible or IBM Proprinter compatible printers. Has all the features of normal word processors including temporary margins, search and replace, left, right, and centre alignment, double width, bold, super and subscript, and more. Requires 512K RAM.

**PC1103 TURKISH WORD PROCESSOR:** Intext multilingual word processor package allows you to word process in English and Turkish, and view the characters on screen, and print to an Epson compatible or IBM Proprinter compatible printers. Has all the features of normal word processors including temporary margins, search and replace, left, right, and centre alignment, double width, bold, super and subscript, and more. Requires 512K RAM.

**PC1104 RUSSIAN WORD PROCESSOR:** Intext multilingual word processor package allows you to word process in English and Russian, and view the characters on screen, and print to an Epson compatible or IBM Proprinter compatible printers. Has all the features of normal word processors including temporary margins, search and replace, left, right, and centre alignment, double width, bold, super and subscript, and more. Requires 512K RAM.

**PC1105 POLISH WORD PROCESSOR:** Intext multilingual word processor package allows you to word process in English and Polish, and view the characters on screen, and print to an Epson compatible or IBM Proprinter compatible printers. Has all the features of normal word processors including temporary margins, search and replace, left, right, and centre alignment, double width, bold, super and subscript, and more. Requires 512K RAM.

**PC1106 HEBREW WORD PROCESSOR:** Intext multilingual word processor package allows you to word process in English and Hebrew, and view the characters on screen, and print to an Epson compatible or IBM Proprinter compatible printers. Has all the features of normal word processors including temporary margins, search and replace, left, right, and centre alignment, double width, bold, super and subscript, and more. Requires 512K RAM.

**PC1107 GREEK WORD PROCESSOR:** Intext multilingual word processor package allows you to word process in English and Greek, and view the characters on screen, and print to an Epson compatible or IBM Proprinter compatible printers. Has all the features of normal word processors including temporary margins, search and replace, left, right, and centre alignment, double width, bold, super and subscript, and more. Requires 512K RAM.

**PC1108 GAELIC WORD PROCESSOR:** Intext multilingual word processor package allows you to word process in English and Gaelic (Irish), and view the characters on screen, and print to an Epson compatible or IBM Proprinter compatible printers. Has all the features of normal word processors including temporary margins, search and replace, left, right, and centre alignment, double width, bold, super and subscript, and more. Requires 512K RAM.

**PC1109 FARSI WORD PROCESSOR:** Intext multilingual word processor package allows you to word process in English and Farsi (Persian), and view the characters on screen, and print to an Epson compatible or IBM Proprinter compatible printers. Has all the features of normal word processors including temporary margins, search and replace, left, right, and centre alignment, double width, bold, super and subscript, and more. Requires 512K RAM.

**PC1110 EUROPEAN WORD PROCESSOR:** Intext multilingual word processor package allows you to word process in English and various European languages including Spanish, French, Italian, German, Danish, Dutch, and Portuguese, and view the characters on screen, and print to an Epson compatible or IBM Proprinter compatible printers. Has all the features of normal word processors including temporary margins, search and replace, left, right, and centre alignment, double width, bold, super and subscript, and more. Requires 512K RAM.

**PC1180A WORD-PERFECT 5 LEARNING SYSTEM DISK 1:** Tutorial program on Word-perfect 5 word processor. This program is designed to help new users to the program as well as more experienced users who wish to increase their skills. Requires two disk drives or hard disk. Requires PC1180B.

**PC1180B WORD-PERFECT 5 LEARNING SYSTEM DISK 2:** Second disk of Word-perfect 5 Learning System. Requires PC1180A.

#### DATABASE

**PC1201 RELATIONAL DATABASE:** Freefile is a menu driven relational database which is capable of handling up to 2 Billion records, and perform calculations and comparisons on them. Each database can be indexed on up to 10 fields, with each record having up to 100 fields.

**PC1202A PDS BASE DISK 1:** This is a multi file database system. The system allows you to define your single or multi file random access data base and the system then generates BASIC language programs to operate your data base. The program definer/generator has pull down menus, pop up help screens, full on screen editing and much more. The system will generate a variety of report programs that can automatically pull together data from one or many data base files as required. Since the system gives you customised BASIC language programs, you can modify these programs to add additional features as desired. Although designed for the BASIC programmer, this program can be used by non programmers. Requires PC1202B.

**PC1202B PDS BASE DISK 2:** Second disk of the PDS BASE program contains comprehensive documentation including a complete 144 page instruction manual and a 66 page BASIC primer. Requires PC1202A.

**PC1203 EZ-FORMS DATABASE:** Powerful form based database program handles all forms of information quickly and easily. Reads and writes industry standard .dbf dBase files. Handles over 2 billion records, and includes a full tutorial for the database novice. Allows for unlimited relational lookups with auto fill in from other databases, on line manual with context sensitive help, field calculations, query, seek, find and browse modes to quickly scan your records, ability to view records in a number of different ways, multiple indexes, quick report feature for on the fly counting, summing, and averaging, duplicate search mode, keyboard macros, field validation, and much more. Requires 640K RAM and a Hard Disk.

**PC1209 FCPO DATABASE:** Excellent free form database which describes itself as an electronic filing cabinet. Allows you to file away text of any length up to 1 Billion lines. Items can be entered from the keyboard or imported from an external text file. Files can also be easily exported to any application which uses ASCII files. You may assign any set of keys to an item up to 79 characters, and the files produced are compatible with dBase III. You may have any number of filing cabinets active at any time.

**PC1213 WYNDFIELDS DATABASE:** First rate general database useful for keeping track of any structured information. Allows for easy data editing, label and report generation. Multiple indexes are automatically maintained, and several methods for extracting exactly the information you need are provided. For advanced users extensive string and maths functions, as well as date and time tracking are available. Requires 512K RAM minimum.

**PC1217 MULTIFILE XL:** Easy to use random access database program designed primarily for mailing labels and lists, but can be used for inventory keeping, maintenance records, and many other uses. The size of each record is 300 bytes, made up of 6 lines or 50 characters. For standard labels the sixth line is not printed, but can be used for sorting and searching. You can access a record by typing the record number or by conducting a search. Searches can be specific to a line, or search for a string anywhere in a record. Standard labels can be used, or the program can be configured to use any type of label. Also the program can be setup to print directly onto standard paper for use with window envelopes. Field names can be defined by the user, or you can use the standard mailing label fields. Automatic incrementing of the record number and automatic date entry are also allowed for.

**PC1218 STAFF BASE:** Powerful dBase file compatible database system. Features include ability to create new database files, modify the structure of existing database files, easy data entry and editing of the content of existing files, fast find function for indexed information, find any information by means of sequential search, search and replace of character strings, build up of complex relational database structures by means of the very powerful dBLOOKUP feature, complex filtering and sorting function, export and import to and from various file formats, statistics of the numeric information stored in the database formats, database statistics for the optimisation of the file size, various database housekeeping functions, user defined macros, built in report and label generator, and much more. Requires 512K RAM and a Hard Drive.\*NEW\*

**PC1221 dLITE:** Memory resident pop up utility which gives the user access to up to ten dBase III compatible applications from within virtually any text based application. Allows you to add entries, display or update records with up to seven indexes, create entry screens, create customised lists, labels, and reports, and more.

**PC1222 POPDBF:** Program designed to provide instant access to dBase files, at the press of a hot key. It is a memory resident program, which takes a minimal amount of RAM, but can also be used in non resident "pass-thru" mode. Using PopDBF you can browse, edit, append, delete and search records in a dBase file. You can also delete, pack, or zap databases. Other features include the ability to view index expressions, copy structure, print file structures, print only selected fields, print only records that meet search criteria, search entire records or selected fields, and much more. Context sensitive help is available at the press of the F1 key.

**PC1223 MASS LETTER:** Direct mail management system which allows you to keep track of the names and addresses of your clients, and merge their names and addresses effortlessly into form letters without requiring any programming or computing knowledge. This program is ideal for use in direct marketing work, as well as keeping track of personal correspondence, if you send the same letter to many people. You can use the built word processor to produce letters up to 43 lines in length. Program also allows you to import standard files of names and addresses from other sources.

**PC1224 FIND-X DATABASE:** Universal Indexing and cataloguing system, allows you to keep a file containing up to 9 items of information, each of up to 30 characters, a date, and an index number for each record. You can search by any item for exact or close matches. You can use logical search parameters such as AND or NOT, nest parentheses within parentheses, and search for words or phrases. Useful for tracking things like photo collections, recipes, or almost anything that can be defined in the record structure. Requires 384K RAM and a Hard Disk.

**PC1225 INFORMATION PLEASE:** Excellent text storage and retrieval program that allows you to store and retrieve full text information such as memos, catalogues, briefs, letters, and such like. Enter information from the keyboard, or import ASCII files. Search, display, and print entries using keyword or full text searches that allow multiple AND and OR criteria. Relate text to a PCX graphic, or another program. User interface is an easy to learn pull down menu interface. Requires 384K RAM and a Hard Disk.

**PC1226 TREEBASE DATABASE:** A hierarchical database manager which allows you to enter information in a parent/child type structure, and navigate through using a visual tree type display. Each parent item can have up to 22 categories or children, and there can be up to 22 levels or generations. Each record is an unlimited size free form text field, and the program can handle up to 32,767 records in total. Excellent for any categorically defined data. Has a number of general and specific uses. Includes sample database.

**PC1227 IMAGE ACCESS:** Text and graphics database combined in one package. All the typical search, sort, query, and reporting capabilities are included along with support of TIF, PCX and MSP graphics files directly. The image files are automatically sized to fit. Easy to use interface makes this an ideal application for keeping track of almost anything, in both a text based, and graphical format. Graphics can be printed to HP LaserJet, and Epson 24 pin dot matrix printers. Requires 512K RAM and EGA/VGA graphics system.

**PC1228 SCRAPS PERSONAL INFORMATION MANAGER:** Program designed to help you store all those odd acts and bits of information that you come across in your busy life. The program provides a free text database in which every word in the database is indexed for retrieval. It features a powerful search function using Boolean operators, a history of search commands to quickly repeat previous search with or without modifications, a fast and simple text editor with block operations, import and export, and direct support for most common word processor files, easy to use pull down menus and mouse support, the facility to attach time based reminders to notes, a four function calculator with "tape" display, a perpetual calendar, phone dialler, ability to swap to DOS easily, and much more.\*NEW\*

**PC1240 FILEMASTER:** Program designed to help you manage your PAPER files. Allows you to maintain your paper files in serial number sequence. You can then look up the document by subject, category, sender, receiver or a number of other criteria. Allows you to keep control of your files easily and effectively. Menu driven and files are dBase III compatible.

**PC1241 PC-LIT ARTICLE INDEXER:** Good program that provides speedy, uniform and reliable method of finding articles from magazines without the need for complicated librarian type packages.

**PC1242A BIBLIO FILE DISK 1:** Citation management program designed to keep track of literature references. Provides the writer with the capacity to automatically file citations by subject matter in addition to the use of key words. Allows for easy re classification of articles, and easy entry of information. Fully menu driven. Requires 380K RAM. Requires PC1242B.

**PC1242B BIBLIO FILE DISK 2:** Second disk of BIBLIO FILE program. Requires PC1242A.

**PC1243 LIBRARIAN DATABASE:** CASSY, Catalogue card/Accession and Shelf list System. Database especially designed to aid librarians in keeping track of items kept in their library. You enter information on each item and the program allows you to produce catalogue cards accession listings, and shelf listings. Easy to use and menu driven this program is suitable for all libraries using the Dewey Decimal system.

**PC1244A PERSONAL INFORMATION ORGANISER DISK 1:** Excellent program for organising related pieces of information such as research, reference manuals, bibliographies, glossaries, and virtually any other type of information. The program links items of information to other items based on connections made in the form of keys which you define. Every item of information can act as a key which gives the program an exceptional degree of flexibility. Reports can be produced easily from the program providing a wealth of information. Requires 320K RAM. Requires PC1244B.



**PC1244B PERSONAL INFORMATION ORGANISER DISK 2:** Second disk of Personal Information Organiser program. Requires PC1244A.

**PC1246 RJB PERSONAL LIBRARIAN:** Program designed for people who take pride in their personal library. Enter information about your books, including title, author, publisher, copyright date, price, subject and location code, and whether you have read the book. From this information you can produce book lists sorted by title, author, or subject, print index cards, as well as reports on library value, unread books, and old books of potential value. Requires printer for reports. \*NEW\*

**PC1248 NORMAN CITATION MANAGER:** Database program for citations and references with quick query capabilities. Define references by publication, page reference, volume ID, publication date, publication type, brief description, and a free form detailed comments field. You can quickly search by key word, even words buried in the comments field. This makes Norman great for debaters who need quick reference to a citation, or to writers who need to locate a reference. \*NEW\*

**PC1249 JOURNAL JOCKEY:** Australian written article indexing program designed for ease of use, yet powerful enough to aid users in keeping track of important articles for essays, theses, or any other task. All functions are accessed from an easy to use menu system, with the exception of data entry. Journal Jockey provides a sequential catalogue number which may be used to store articles one after the other. Much easier to learn than complicated librarian packages. \*NEW\*

**PC1253 CONTACT PLUS:** Excellent program for keeping track of business contacts. It automatically sorts your contacts by surname, company name, post code, and two user defined fields. It allows you to add an unlimited number of notes per contact, all of which are date/time stamped. Allows you to keep track of the last 30 phone calls to the contact, and will even dial the number for you with a Hayes compatible modem. Allows you to produce personalised letters, mailing labels, tickler files, and much more.

**PC1255 PHONE PRO:** Excellent personal address book manager providing easy input of names, addresses, and phone numbers, and easy access to the information. You can access information on line using the optimised search functions, and even dial directly if you have a Hayes compatible modem. Numbers can be easily modified, even when dialling, and even manually enter a number to be dialled. When the phone is answered the program displays "LIFT HANDSET-PRESS ANY KEY" allowing you to make calls easily. Also the program can print out a small phone directory indexed by surname. The printed directory can be a full directory, a selective directory, a date sensitive printout of new entries, and key searches.

**PC1257 MARKET FINDER:** Program provides follow up tracking of new leads and prospects for sales people. Allows you to schedule mailings and phone calls, and can merge data from commercial purchased lists, your own database, or almost any source. Allows you to easily create mailing labels, and marketing letters using the small in built word processor, and mail merge with the Market Finder data. Various options in selecting clients to view or mail to, and much more. This program will significantly aid in increasing your marketing success. Requires 320K RAM, two Floppy Drives, or a Hard Disk.

**PC1258 PHOEBE:** Personal client manager system tracks clients to make a salesperson's job easier, and to track the effectiveness of the sales force. It is good for individual use, or as the main database that can be shared among many people in an office. Tracks clients by name, address, city, state, postcode, 2 contacts with names, titles, and phone numbers. Keeps date of last and next appointments, year to date sales, comments, geographic area, and 8 user defined fields. The salesperson's name is also tied to each client. Custom reports are easily created to your specifications and you may select records by, and sort on almost any field. Also produces mailing labels, and comma delimited mail merge files.

**PC1261 MEMBER & DONATION TRACKING:** Program allows you to keep track of members of any organisation, print labels for all or selected members, as well as a directory of members. You can also record the pledges and subscriptions for members. You can also print donation reports for tax purposes, plus financial reports. Requires 384K RAM and a hard disk.

**PC1262 LITTLE BLACK BOOK:** Simple to use name, address, and phone number database which allows you to print a pocket sized alphabetic booklet with all the information. Excellent for keeping your address book up to date. Supports Epson and OKI printers as well as HP Laserjet Series II printers. Can be easily configured for any printer which can print at 17 characters per inch, ie condensed mode.

**PC1263 PC NAMES:** Mailing list manager and personal address book. Program allows you to store an unlimited number of names and addresses, and print mailing labels with 7 different formats. Will automatically dial the phone number if connected to a modem, and produce rolodex cards, and reports on the data stored in 6 different formats. Will also print variable size address book, hold home and business number, including extension, keep notes, mail merge with salutation option, export, import, and group names by categories, do duplicate name search, print envelopes, including return address, and much more.

**PC1264 PENPAL:** One of the easiest to use mail list management, black book, and letter writer systems available. Program has the ability to code your address records for selective listings, search by ID, last name, or first name, using only the first few letters of the name. Print any size of one up label, or continuous envelope forms, and print any number of return address labels. Print either of two sizes of Rolodex cards, print new cards only for address records that have been updated from a given date. Print addresses on standard office envelopes, build extract files for word processing interface, print a black book in one of four formats, and you can setup up to 99 standard letter formats. You can select addresses from your address file and print letters, using these letter formats, without having to type them individually. Using the same selection requirements you can either select labels or address envelopes. On screen help available at all times. Requires 640K RAM and a Hard Disk or 2 Floppy Drives.

**PC1270 MUSIC LIBRARY SYSTEM:** Menu driven database program that enables you to catalogue your records, tapes, CD's, scores and sheet music. Each record file contains fields for composer, title, category, performers, comments, and four library location fields for multiple recordings of each composition.

**PC1271 VCR DATABASE:** Program designed to provide an easy structured system for keeping track of your video cassette library. Stores details such as title, stars, style of movie, position on tape, and other details. Can be used to print out a comprehensive video list.

**PC1272 VIDEOCAT VIDEO CATALOGUE SYSTEM:** Videocat is a specialised database program designed for cataloguing a collection of movies or similar materials stored on videocassettes. Each record contains information such as title, year of release, subject type, quality rating, actors, director running type, and a free form comment. You can build your data file and then search for titles, actors, etc, and even print labels for the cassettes.

**PC1273 VIDEO LIBRARIAN:** Fast, easy to learn database manager that will help organise and keep track of your video library. With this program you can quickly search your video library files and print reports to the screen, printer or a disk file. The program will also print labels to place on your VCR tapes for easy identification. Program holds 18 information items such as title, star and co star, rating, director, counter setting and more. You can search for tapes by title, star, co star, director, or tape number. 320K RAM required.

**PC1281 INTELLITRIEVE:** Weighted retrieval program for use with dBase III+. This program analyses a database for records that meet the criteria you establish and places them in an output file in descending order of how closely they match your criteria.

**PC1287 DBCLEAN:** Utility designed to search for and remove duplicate records in dBase compatible data files. This allows you to save disk space and program, processing time. On screen help available at all times.

**PC1288A DBASE PROGRAM GENERATOR DISK 1:** dProg is a dBase programming utility that allows you to generate screens, format files, validate files, databases, entire systems, and their documentation easily. The program is composed of five main applications; the system integrator, the screen designer, the compiler, the documentor, and the system convertor. Together they allow you to produce complete applications in dBase III+ code which should run under dBase, Foxbase, 1 ON 1, or any other dBase compatible program. Requires PC1288B.

**PC1288B DBASE PROGRAM GENERATOR DISK 2:** Second disk of the dProg program generator. Requires PC1288A.

**PC1290 EZWIN DBASE WINDOW GENERATOR:** Window generator for dBase III and close compatible database programmers. Allows you to easily create the code required to produce windows under dBase. The windows can include text, and various border designs and colours, and can easily be moved on screen.

**PC1294 WORKBASE:** Designed with the professional database developer, especially the Clipper user in mind, WORKBASE replaces the dot prompt with over 90 "dBase language" commands and over 110 functions. You can create a .DBF file, append, edit, and browse records, restore from and save to MEM files, display memory, display and modify structure, and many more commands necessary for development and debugging. The program will also execute simple PRG files. Anyone who uses dBase compatible data files will love this powerful utility. Requires 512K RAM.\*NEW\*

**PC1295 XTAB:** Statistical analysis program that can be used with dBase files. Not a complete statistical package, for which we would recommend KWIKSTAT, but useful in many cases.

**PC1304 PHOTOMASTER:** Sophisticated system for efficiently managing collections and libraries of photographs or other images on your PC. Suitable for amateur and professional photographers, stock agencies, museums, and such like. Information stored includes stock number, file location, file type, frame numbers, film type, development information, and much more.

**PC1305 STAMPMAN:** Program created for the philatelist who wants to organise their collection quickly and easily. Program allows you to add data, view listings, modify catalogue listings, print or view reports including complete inventory, cross reference, and more. Keeps track of the condition of stamps, and can import or export data to dBase and Lotus via the utility option.

**PC1306A COINS DATABASE DISK 1:** Coin Inventory Software is designed to keep track of your coin collection. Allows you to keep track of your collection by description, type, year, condition, country, slabbed, want/have, purchase date, cost, quantity, value, source, sale date, price, and up to two lines of notes. Includes comprehensive search routines to easily locate the coins you want. Requires 512K RAM and two Floppy Drives or a Hard Disk. Requires PC1306B.

**PC1306B COINS DATABASE DISK 2:** Second disk of the Coin Inventory Software package. Contains comprehensive documentation. Requires PC1306A.

**PC1307 SOFTWARE SUSIE:** Computer software library program. It is NOT a diskette catalogue program. It will keep track of all the software you accumulate, the version of the software, it's cost, where acquired, when acquired, publisher, vendor, description, category, serial number, and more. You will be able to keep a handle on how much it is costing you to upgrade to newer versions. Program uses pick lists and display tables to ease the process of data entry. Requires a colour monitor for optimum use.

**PC1308A CALL MASTER DISK 1:** Full featured service call scheduling and accounts receivable with invoicing system designed for use in such industries such as pest control, air conditioning lawn care or other service based industries. Each client can have multiple service locations, each location can have its own unique listing of services and related due dates. The accounts receivable sub system is integrated into the call scheduling subsystem. Takes complete control of the service industries accounts and scheduling to allow you to perform your job more efficiently. Requires 640K RAM and a Hard Disk. Requires PC1308B.

**PC1308B CALL MASTER DISK 2:** Second disk of the Call Master system. Contains essential files for the program and supplementary documentation. Requires PC1308A.

**PC1311 BOOKBASE:** Inventory program that maintains a detailed listing of your books. This type of data file is invaluable for collection purposes. This program will also let you pull out information in a wide variety of interesting ways that let you learn a lot about your books that you would never otherwise know if not for the analytical ability of computers. It has powerful define, search, and find functions that allow you to create sub lists of your books in interesting and informative ways. These functions are enhanced by a special "key phrase" field that allows you to later associatively index books to one another with user defined key words and phrases. Up to 10,000 books can be held on file.

**PC1312 PRO STAMP:** Full featured, easy to use program to help you manage your stamp collection. Uses pull down menus throughout and has extensive on screen help available at all times. It handles all calculations required, and even allows you to select items such as type and condition from a menu. It can track any size collection, and has multiple file options to provide flexibility and convenience. Automatically calculates values of collection, and much more. Sort your collection on a number of criteria, and print comprehensive reports quickly and easily.\*NEW\*

**PC1314 COLLECT!** Advanced specialty database that is used to keep track of the things people collect. It can also be used by small dealers of items like antiques, comic books, tapes, and such like. The list of collection items is practically endless. It can also be used to keep track of household inventory. Offers unique features that make this program faster and easier to use than others. Features include a common spelling file, all data on a single screen display, user definable database templates, mouse support, financial data and masked printing. Two versions are on the disk. One will work on any system in text mode, and the other takes advantage of high resolution colour VGA displays for a great on screen display. Requires 512K RAM.\*NEW\*

**PC1315 BOOK LIBRARIAN:** Easy to use menu driven program designed to quickly organise your personal, church, club, or corporate library. Can manage an unlimited number of databases and each database is only limited by disk size. Features context sensitive help, movable, resizable and scrollable BROWSE and FIND windows. Each record stores title, edition, author, subject, book type, pages, catalogue number, ISBN, purchase date, price, notes, publisher, location, and copyright. Also includes a fully editable memo field. Book Librarian is fast, it can find any title, author, subject or book type in one second or less. Includes full featured reporting which can be sent to screen, printer, or disk file. Requires 512K RAM.\*NEW\*

**PC1351 PERSONAL INVENTORY:** Program designed to help you keep track of all household items, and provide a means of tracking depreciation using 4 different methods. Each item can be categorised and tracked by room or location. Items can easily be added and deleted, and reports produced. On screen help is available at the press of a button. Files can be automatically backed up at the end of the program.

**PC1352 HOUSEHOLD REGISTER:** Full featured menu driven program that maintains a detailed list of everything you own. Each item is automatically categorised by location, category, owner, and item. The user can easily customise the pop up menus for the location, category, and owner fields. Each database can hold up to 99,999 items, and the program supports an unlimited number of databases. On screen help is available at all times. The comprehensive reports section lets you examine every aspect of your possessions. Reports include total value report, a summary report which provides total value by category, location, or owner as well as providing valuable statistics about the inventory. A warranty report is also produced that will prove invaluable in tracking warranty information.

**PC1353 TBS FIXED ASSET REGISTER:** Program designed to track the fixed assets that a company owns, and to calculate the monthly depreciation expenses of those assets. The program is simple yet powerful, and includes on line context sensitive help at the press of a key. Uses a menu system for all functions, such as asset entry and report generation. Depreciation calculations include straight line, declining balance, or accelerated depreciation schedules. Keeps track of serial number, location, net book value, and keeps a starting depreciation date which may be different from the purchase date. Requires a printer for reports.

**PC1370 VIDEO TAPE CONTROL:** Program designed to automate a video tape rental business. Handles movie rentals and returns quickly and easily, late fees are automatically calculated and you are alerted when fees are due. Pop up windows provide necessary information to provide a more user friendly environment. Keeps track of membership, files, and reservation information important to a video store's operation. Reservations can be made for more than a week in advance, and you are reminded of the reservation when the tape is rented or returned. Reports include information on tapes, rental activity and amount of money a member has spent at the store, reservation list and members with late tapes. It also produces mailing labels. Program handles up to 8,000 tapes and 8,000 members in its data base. Requires 512K RAM and a Hard Disk.\*NEW\*

**PC1371 PRODEV MEMBER:** Excellent full featured Church Membership Giving, Attendance and Talent tracking system for any size church. The latest in pull down menus and context sensitive help and instructions make the system highly intuitive to learn and use. The system uses dBase compatible data files. Program will keep track of any number of members, non members, former members, shut ins, visitors, and affiliated missionaries. By using a rotationally linked child data base information can be kept for any number of children per member. Givings or Offerings are easily posted and a complete range of Giving statements can be printed. Complete talent, duties, teaching expertise and any information can be stored and selectively reported. Requires 512K RAM and a Hard Disk.\*NEW\*



**PC1400 LOTUS COMPATIBLE SPREADSHEET:** Aseasy, an excellent Lotus 123 compatible with almost all the features of the famous program and an easy to use interface makes this the ideal spreadsheet for most users. Includes graphing, macros, financial and statistical functions and much more. On screen help available at all times.

**PC1404 EZ SPREADSHEET:** Easy to use spreadsheet program for those who don't need all the bells and whistles of the more advanced, and complicated programs. Program will handle spreadsheet with up to 64 columns and 512 rows, more than enough for most users. Will print to almost any printer, and even includes sideways printing utility for use with Epson compatible dot matrix printers. Includes a number of sample worksheets to help learn the uses of the program.

**PC1405 FREECALC:** Spreadsheet program that handles files of up to 250 rows and 50 columns. Designed for the first time spreadsheet user. You can create a useful spreadsheet without any knowledge of how to write a formula, as FreeCalc has a library of predefined formulas you can use. More advanced users can take advantage of the more sophisticated features of the program. Handles macros to save keystrokes, export to other programs, support for up to 15 significant digits, word processing mode, and much more. Includes demonstration files, and a tutorial on disk.

**PC1410 INSTACALC:** Powerful memory resident "pop-up" spreadsheet which can be used from within other applications and which can share data with other programs easily. Can be used to enter tables into word processor documents, or import data directly off your screen into the spreadsheet. Even able to read Lotus123 .WKS files. Interactive help screens at all times make it easy to learn.

**PC1473 LOTUS APARTMENT RENTER:** Macro driven Lotus 123 template that is designed to replace a 'pegboard' type of accounting system that is used in many apartment complexes. The apartment manager needs to know very little about Lotus 123 because of the extensive use of macros. Requires Lotus123 or compatible spreadsheet program.

**PC1474 LOTUS REALSPREAD:** Commercial property management template for Lotus 123. It is designed to assist the property manager with an overview document on the economic performance of commercial property. Realspread gives a presentation quality spreadsheet that is suitable for a boardroom presentation or as an information document for the commercial property owner. The template gives a full years budget forecast and tracks the full year's actuals. Requires Lotus123 or compatible spreadsheet program.

**PC1475 LOTUS MONEYBAGS:** Commercial real estate investment template for Lotus 123. The template is designed to assist the real estate investor in the selection of profitable commercial real estate. The template takes into account all the variables involved in the buying, managing, and eventual sale of commercial properties. Requires Lotus123 or compatible spreadsheet program.

**PC1476 SCIENTIFIC & ENGINEERING TOOL FOR LOTUS:** Easy to use, completely menu driven program designed for the Lotus 123 user who deals with number crunching. Operates under Lotus this program includes a sophisticated programmable calculator and solver which can do simple arithmetic, function editing and calculations, physical units definition and conversion, integration and differentiation, editing and calculating statistical functions and data tables, frequency distribution and normal distribution, four types of curve fitting, root finding including non-linear equations, matrix operations, and simultaneous linear equations. Requires Lotus123 or compatible spreadsheet program.

**PC1477 MACRO MANAGERS FOR LOTUS:** Collection of three central Macro Managers for the variety of releases of Lotus 123. It is especially useful for every macro user that use or write macros to be used with Lotus 123 who wish to organise and run their macros easily. The managers provide a new way to handle macro libraries, no more grouped macros libraries that take large amounts of memory when combined to the worksheet. Instead only one menu driven macro manager is combined to the worksheet. Using the manager's custom menu all the macros on the disk can be started and used using the point and shoot method. Requires Lotus123 or compatible spreadsheet program.

**PC1480 LOTUS STATISTICS:** Collection of Lotus worksheets for various statistical functions. Includes decision making model, trend analysis, descriptive statistics, polynomial regression, and more. Useful for statistics or as an aid in learning about Lotus. Requires Lotus 123 or compatible spreadsheet program.

**PC1481 LOTUS BUSINESS NO. 1:** Ten worksheets for use with Lotus 123 or a compatible spreadsheet program. Includes templates for balancing a cheque book, cash disbursements, cash flow management, cash flow projection, loan amortisation, loan payoff calculator, line of credit tracker, depreciation calculator, internal rate of return calculations, and account receivable tracker.

**PC1482 LOTUS BUSINESS NO. 2:** Ten more Lotus worksheets for use with Lotus 123 or a compatible spreadsheet program. Includes economic order quantity calculator, 5 in 1 financial statement, ratio analyser, growth capacity calculator, queue analysis, new venture budget, price volume analysis, and a quote generator. Also includes some Lotus macros.

**PC1492A LOTUS LEARNING SYSTEM DISK 1:** Program designed to teach the novice computer user how to use LOTUS 123, or a compatible spreadsheet program. The program starts by going over the menu and how it works. Then you choose the option you would like to start with. From this menu you may choose spreadsheet background, applications for Lotus, keyboard features, access system, control panel features, trial balance model, and more. Requires 512K RAM and two disk drives, or a hard disk. Requires PC1492B.

**PC1492B LOTUS LEARNING SYSTEM DISK 2:** Second disk of Lotus Learning System program. Requires PC1492A.

**PC1495 POWER SHEETS FOR LOTUS 123:** Collection of Lotus 123 worksheets for basic business functions. Models include basic Statistical Summary, depreciation, Net Present Value, Profitability and Breakeven analysis, Rate of Return of cash flow using three methods, and Simple Linear Regression analysis. Requires Lotus 123 or a compatible spreadsheet program.

## FINANCE/ACCOUNTING

**PC1612 ACCOUNTING-101:** Easy to use accounting package for small business and home use. Allows you to keep track of, and even write cheques, record deposits, make accounts payable journal entries, and print out simple income statements and balance sheets. Includes a number of handy options such as on screen windows with entry selections, the ability to select accounts by number or name, and much more.

**PC1614 ULTRA CHECK:** Extensive single entry general ledger system based on a chequebook register system. Combines chequebook management and reconciliation directly in the general ledger program. Up to 400 payees can be stored to generate payables. Uses an alphabetic chart of accounts scheme that can be set up as mnemonic codes, often easier to remember than numeric codes. Handles repetitive transactions and has comprehensive on screen help. Can use Australian date format, and can even use password protection. Easy data entry system makes this suitable for home and business use.

**PC1615 QUE ACCOUNTING:** Powerful general ledger package designed for the power user who is handling accounts for a number of companies. It easily handles multiple companies and departments and provides password protection by company. All the normal reports and consolidation reports covering all departments and companies. Also allows comparisons between periods. Powerful data searches are available. Two unusual features are a full audit trail via batch and source codes, and the ability to update or correct data direct from the trial balance display. Has a notepad, monthly and yearly budget analysis reports, and a provision for repeating entries. On line user manual, and good introductory accounting primer included. Interfaces with QUE Time and Attendance system (PC1806). Requires 640K RAM and a Hard Disk.

**PC1617A PAINLESS ACCOUNTING DISK 1:** Classic double entry General Ledger system fully integrated with Accounts Receivable, Accounts Payable, Inventory control, Invoicing, Cheque Writing, and Purchase Order modules, all included in one package. Aimed at the serious accountant, and is suitable for small to large size businesses. Handles up to 10 companies, and is menu driven throughout to keep the accounting procedure as painless as possible. Includes a sample chart of accounts, and produces a wide range of reports, including Trial Balance, Income Statement, Balance Sheet, Client Statements, Ageing Reports, Historical Invoices, customer and vendor mailing labels and directories and more. Also includes a phone directory and dialler utility, an appointment scheduler, and more. Very powerful tool with mouse support, and LAN capability. Requires 640K RAM, and a Hard Disk. Requires PC1617B and PC1617C.

**PC1617B PAINLESS ACCOUNTING DISK 2:** Second disk of the Painless Accounting system. Contains essential files for the programs installation. Requires PC1617A and PC1617C.

**PC1617C PAINLESS ACCOUNTING DISK 3:** Third disk of the Painless Accounting system. Contains essential files and documentation in compressed format. Requires PC1617A and PC1617B.

**PC1619 PAINLESS ACCOUNTING COMPANION:** Custom graph, report, and export generating program for use with Painless Accounting program. The modules consist of a graphs module which allows you to create, edit, and generate graphs from Painless Accounting data. Graphs supported include Line, Point, Bar, Stacked bar, Pie, High Low graphs. All can be displayed, printed, or saved as PCX files. The Reports module allows you to create custom reports from data from the main program. The Export module allows you to produce ASCII files in various formats from the program data. Program features pull down menus, and context sensitive help. Works in conjunction with Painless Accounting and Painless Payroll.

**PC1625 HOME MANAGEMENT II:** Excellent home budget management program combined with a number of other handy programs. Program features a flexible and easy to use cheque account and home finances manager which handles multiple accounts, up to 54 expense categories and 30 deposit categories which can be user defined. Completely menu driven for ease of use this module can print reports and show on screen graphically the state of your finances. Also included is a typewriter emulator, a personal budget planner which helps you plan your finances in advance, a loan amortization calculator, and a small module to keep track of stock transactions.

**PC1626 FAMTRACK:** Powerful, comprehensive home accounting package. Designed for ease of use the program will keep track of every penny you earn and spend, and sort your expenditures into as many as 40 categories. It will allow you to establish monthly budgets for each category and then compare your actual performance against the budgeted amounts. It can also forecast annual expenditure in each category, based on your spending record to date, and enable you to maintain control of your finances. Up to 20 separate financial accounts such as bank accounts, credit cards, etc. can be maintained, and funds can be moved from one account to another. Your accounts can be easily reconciled.

**PC1627 EXCHEQUER:** Easy to use cheque book management program designed for home and small business users who wish to automate and simplify the process of paying their bills. Although Exchequer avoids the complexities of most small accounting programs it provides many features which support small business accounting. It also provides powerful yet flexible reporting capabilities. Any part of the cheque register can be printed in chronological order, sorted by category, or sorted by payee. You can list all transactions in a single category, or from/to a single party. Exchequer even prints an income statement, and any report can be sent to a printer, the screen, or a disk file. The program supports an unlimited number of accounts, and up to 255 user defined categories, and makes balancing your chequebook easy.

**PC1630 MY MONEY:** Full featured cheque account program designed primarily for personal use. My Money can maintain up to 100 different cheque accounts at a time, and each account can hold up to 10,000 transactions. Program features all functions you would want in a chequebook management system, including printed reports, search and display, clearing and voiding, and more. Also includes a special reconcile function that clears and balances your account automatically. Program supports the use of a mouse, and has context sensitive help available at all times. Point and shoot user selection, and default entries as well as program path memory, pop up windows, and special entry formats make for easy data entry.

**PC1631 WINDOWS WINCHECK:** Chequing and savings account manager with cheque writing capability designed to run under Windows. Handles multiple accounts and up to 32 recurring items via a table. Gives monthly register statements or exports Lotus 123 and Excel files. Has transfer of savings to or from cheque transactions. Keeps a note field on each transaction and has a search capability for those notes. Requires Microsoft Windows 3.0 or higher.

**PC1644 STARBOOKS:** Inventory control and accounts receivable package suitable for small to medium sized businesses. easy to use and menu driven throughout this program allows you to keep track of your inventory, produce sales orders and keep track of your accounts easily. Will produce purchase orders for out of stock items, produce shelf labels, part lists, and invoices as well as statements, and produce reports on outstanding invoices.

**PC1645 PURCHASE ORDER SYSTEM:** Keep track of your creditors and your purchase orders easily using this program. Keep track of your vendors, purchases, and how much you owe. Includes comprehensive report options.

**PC1646 ROSEWOOD SALES JOURNAL:** Sales journal and accounts receivable program suitable for small to medium sized businesses which record sales on serially numbered invoices. A variety of reports can be viewed or printed, including monthly and yearly sales, accounts receivable lists, and aged customer statements. Also produces a special report which tells you the amounts and to which accounts in your general ledger your sales, receipts, accounts receivable, and sales tax should be entered. Menu driven for ease of use.

**PC1649 GENERAL INVOICE SALES TRACKER:** Program designed for small firms who use pre printed "hand written" customer invoices on most of their sales. GIST's purpose is to allow those firms to use a computer for business purposes, without having to change any of their existing paper work or procedures. GIST is not a complete accounting package as such, but is able to provide all the income information required by your accountant. Also provides you, the manager a great deal of useful business information. It will also automatically handle routine monthly tasks such as customer statements quickly and easily. Keeps track of customer details, including sales data, tracks accounts receivable, and more. Holds over 700,000 customer records and invoice records with unique search capabilities, and more.

**PC1650 MILLROSE ORDER ENTRY:** Program designed to provide the small business with an easy to use program that will enter customer orders, check orders against inventory, adjust prices on individual items, print picking slips, allow you to edit sales orders, print customer invoices, maintain accounts receivable, print customer statements, print accounts receivable aging, maintain product inventory, print inventory on hand, print inventory list at cost, print list for taking physical inventory, compare book and physical inventory, and update book inventory for physical. Requires 512K RAM and a Hard Disk.

**PC1651 POINT AND SHOOT HOME MANAGER:** Program designed to help manage the details of operating a home. The program includes modules for complete home budgeting, tracking of home maintenance, home inventory, and important record tracking, name and address tracking, and vehicle maintenance record keeping. Also included is a full featured financial calculation system. Requires 320K RAM minimum, and two drives or Hard Disk.

**PC1652A SOAR DISK 1:** Service Oriented Accounts Receivable (SOAR) is a complete customer billing system for lawyers, CPAs, consultants, and others who bill for their services. Program handles fixed fees, hourly rates, sales of goods, late charges, taxes, and automatic billing of service contracts. A small accounts receivable module is also included. The powerful reporting facility includes 24 summary categories, and customisable billing formats. Also produces mailing labels, mail merge files for word processors, tax reports, customer histories, receivables reporting and invoices can be produced on the fly while working with the data. Customer database can hold up to 2000 entries. Requires hard Disk. Requires PC1652B.

**PC1652B SOAR DISK 2:** Second disk of the Service Oriented Accounts Receivable package. Contains documentation and other essential files. Requires PC1652A.

**PC1653 FAST INVOICE WRITER:** Stand alone invoice writer. Prints invoice on standard paper, each of which is numbered and serialised. Program handles all calculations including discounts, sales tax, and shipping and handling charges. Optional payment return stubs and cut and paste labels may be printed. Invoices can be folded so that addressee appears in window in standard envelopes. On line help is available at all times. Program also has a cashbook facility to determine the totals for sales, tax, and shipping charges. Can be used in conjunction with Multifile XL (PC1217) for importing data such as parts and inventory, or customer lists.

**PC1654 FAST STATEMENT WRITER:** A stand alone statement writer. May also be used as an accounts receivable program. You enter Balance Forward, Date, Invoice Number, Description, Debits and Credits. The program does all the math calculations. Program prints copy numbers and any number of copies may be printed. Your company letterhead may be printed in either standard, expanded, or condensed characters. Sequential statements can be printed. Statements may be saved to disk for future updating and printing. Program optionally prints payment return stubs and cut and paste mailing labels. On line help is available at the press of the F1 key.

**PC1655 PAYMENT BOOK WRITER:** Program prints payment coupon books for either the lending institution or the personal lender. Payment coupons booklets are printed on either standard paper with cutting lines, or on custom continuous forms. The lender's letterhead is printed at the top of each page. The return address shows through the window of a standard window envelope. As the booklet pages are being printed, the payment number and the monthly payment due date are automatically incremented. The amount of regular payment and the final payment are also printed on each page. A 6 line by 20 character disclosure may be entered in the setup. This disclosure is printed on the form along with a late charge disclosure. When printing is completed, the coupons can be stapled together to produce a payments book.

**PC1660 BILLPOWER:** Excellent time keeping, billing, and book keeping program designed especially for small firms. It will track time worked on professional matters and calculate the amount owed by each client. It will also keep up with receipts and disbursements, and it will maintain such accounts as you wish, allowing you to carry out simple bookkeeping functions. It will also automatically compile services, disbursement, and receipt transactions for each client into monthly bills. Program requires **HARD DISK**.

**PC1680 FINANCIAL PARTNER:** Easy to use financial package which allows you to calculate future value of an investment, minimum savings for future value, effect of withdrawal from an investment, present value of an investment, a range of loan calculations including amortisation, calculation of available loan for a given monthly payment, present balance, and more including net present value and internal rate of return calculations.

**PC1681A SOLVE-IT DISK 1:** Financial analysis program which can operate as either a stand alone program or a memory resident "pop-up" program. Among its functions are return on investment, break even analysis, depreciation schedules, loan schedules, and even statistical functions. 28 functions in all. Requires 512K RAM and hard drive. Requires **PC1681B**.

**PC1681B SOLVE IT DISK 2:** Second disk of the updated Solve It program. Requires **PC1681A**.

**PC1692 KEYRATIO:** Simple, straightforward program to calculate the ten most common Key Business Ratios. The program is intended to be of help to those who need a quick idea of the financial ratios of their businesses. The calculations include Current Ratio, Average Collection Period, Net Profit to Total Assets, Inventory Turnover, Total Debt to Net Worth, Net Sales to Total Assets, Operating Profit to Net Sales, Net Profit to Net Worth, and Sales to Accounts Receivable.

**PC1694 BREAK-EVEN ANALYSIS:** Program designed for small business owners or aspiring owners to help them in their business planning. Suitable for businesses with multiple product lines, as well as those with only one product or service. With the program you can find the breakeven operation with minimum input, do "what-if" calculations to instantly see the effect on the net profit of changes in sales revenue, variable costs, fixed costs, gross margin percentages, etc. The information can be exported to Lotus 123 or compatible spreadsheet to allow you to graph the results.

**PC1685 MANAGERS TOOLBOX:** Program consists of several management tools that are useful in problem solving by managers. The program is menu driven for ease of use. Options include breakeven analysis, bankruptcy prediction, inventory analysis, make or buy decision, queuing theory, financial analysis, forecasting, and sampling for defects.

**PC1686 AMORT:** Mortgage loan amortization program can be used to calculate mortgage loan schedules with only a few entries. You can select payment frequencies ranging from weekly to annual. Enter the interest rate, and it displays total pay back, total interest paid, and payment amount. Schedule can be displayed on screen, or printed. You can examine the effects of extra one off payments. All details are printed making this program suitable for accountants, real estate agents, or personal use.

**PC1689 AMORTIZE IT:** Full powered amortization program for home and professional use. Program allows you to select payment and compounding periods, examine the effects of extra payments and skipped payments, adjustable interest rate, and other variables. Reports can be produced displaying payment, interest, and principal totals for fiscal, calendar, or loan years. Detailed as well as summary reports are available. Interest due can easily be calculated, and accelerated payment schemes can be designed. Balloon payments can also be accounted for.

**PC1690A FELTON'S FINANCIAL UTILITIES DISK 1:** A collection of full colour programs driven by a fancy menu, part of which is the "Selection Guide". The utilities solve many time-value financial problems encountered in business. Typical problems are distribution of funds from a sum, money growth with or without deposits, IRA's, and many types of simple and complex loans. The Selection Guide steers the Felton user to the appropriate financial utility to make it easy to get a quick accurate answer for almost any unknown quantity. Full and abbreviated professional looking schedules may be displayed or printed. The program is fast and easy to use. A things to do utility is also included. Requires 512K RAM and a Hard Disk. Requires **PC1690B**. \*NEW\*

**PC1690B FELTON'S FINANCIAL UTILITIES DISK 2:** Second disk of the Felton's Financial Utilities program contains essential files for operation. Requires **PC1690A**. \*NEW\*

**PC1701A CAPITAL GAINZ DISK 1:** Financial management package oriented towards small investors, especially those following a 'dollar-cost averaging' strategy with stocks and mutual funds. Features include ability to maintain records of purchases and sales of securities as well as dividends and capital gains distributions, calculates gain/loss and total return for securities, purchase, sale, or distribution information can be printed or sent to file, and the information can be for one or more securities and for all or a range of dates. Program can automatically reinvest distributions, perform stock splits, periodic updates of security prices, allow grouped sales of multiple purchases using a variety of methods. Program should prove valuable to all investors. Requires 512K RAM and a Hard Disk. Requires **PC1701B**.

**PC1701B CAPITAL GAINZ DISK 2:** Second disk of the Capital Gainz program. Requires **PC1701A**.

**PC1703 STOCK CHARTING & TECHNICAL ANALYSIS:** Menu driven program that allows you to generate High/Low close and volume bar charts with the ability to vary the size that the HLC bars and the volume indicators, formulas chart take up on the screen. Also performs technical analysis using moving averages, trading bands, trendlines, or any combination of these. Chart prices and volume formulas and moving averages of the formulas in the bottom window on the screen, including RSI, Stochastics, Positive Volume Indicator, On Balance Volume, and more. Record macros which will enable you to playback your technical analysis routines easily, and much more. Requires 512K RAM two Floppy Drives or a Hard Disk.

**PC1704 PPROI:** Portfolio Return On Investment is a complete financial portfolio manager with all the features you could ask for. Tracks purchases and sales of stocks, bonds, and securities. Includes interest, fees, dividends etc. Computes taxes, positions, and performance. Handles splits, options, depreciation, and more. Gives a graph of valuation vs investment on individual stocks, or entire portfolios. Also includes numerous reports including capital gains, dividend and interest reports, useful for tax preparation, and a detailed open lot report useful for tax planning.

**PC1705 SAGE STOCK TRADER:** Program analyses, displays, and prints commodity price records. It permits the trader to concentrate on trends instead of details. Data entry and review are quick and easy, and the program can be adapted to almost any printer. It offers menu driven convenience at all times and data is automatically saved whenever changes are made.

**PC1706 WALL STREET BOTTOM LINE:** Custom database program to track your investments in the stock and bond market. Each time you buy or sell a security you will be able to quickly and easily store the details of the transaction. You will be able to edit and delete individual records, and keep records of all transactions. Program allows you to select different data files, or use multiple data files for reporting. The program will accommodate short sells as well as traditional investments. It will calculate and display various factors based on buy/sell prices, fees/commissions paid, date bought and sold, and number of shares, including total cost to purchase security, total received from sale, profit or loss percentage, and more. Graph option allows you to produce and display several graphs of trading performance. Requires Hard Disk or high density Floppy Disk for installation.



**PC1720 PDS QUOTE:** Excellent full featured Quotation or Bid Estimating system for any type or size business. Consulting services can even use the Auto Labour feature to create labour only quotes without material, or any combination in between. An unlimited number of Labour Groups can be associated with any quotation. Using dBASE compatible files for suppliers labour, and material costs, you can browse the material data base 4 different ways with a point and shoot browse method to rapidly build a customised quote. The latest in pull down menus and constant on screen help. You can use the system's natural defaults to build simple quotes or use all of the many bells and whistle to build complex quotes. To support your sales efforts, you can print complete catalogues of your products and services with either your prices, list prices, or both. You can even include unlimited sized specifications for the material items in your data base and optionally print them on the quote.

**PC1721 BIDS & QUOTES:** Program maintains a database of bid items together with labour, equipment, materials, and sub contractor costs. Labour cost can be maintained by both time and monetary values, allowing for various costing methods to be used. From this data the program can calculate cost estimates and proposals.

**PC 1723 BIDBIZ:** Estimating program that lets you tie multiple component and phase costs to the bid or primary items. The program uses multiple record windows for viewing, editing and various look up purposes. Allows you to easily create estimates and quotes from master files. Requires 512K RAM minimum, and a hard disk.

**PC1724A PC ESTIMATOR DISK 1:** Easy to use program designed to increase the efficiency and productivity in cost estimating. It is developed by construction professionals who are also experts in computers. It provides immediate on-screen access to data through "lookup" windows, material price list and cost data accumulation, easy to use menu structure, time saving features, unlimited size database, ability to use different markups, built in comprehensive reporting, and much more. Requires 384K RAM minimum, and hard disk recommended. Requires PC1724B.

**PC1724B PC ESTIMATOR DISK 2:** Second disk of PC ESTIMATOR program. Contains data files and accessory files for program. Requires PC1724A.

**PC1726 PC-QUOTE:** Easy to use online menu-driven quotation and invoice system. You enter customers and items into a database. The system automatically creates an index for the customers and items entered. This index can be used to search for customers and items. You specify the prices and can specify quantity and customer unique discounts. The system produces quotations and invoices using the customer and items you select. The invoice produced can be edited easily before printing. Requires Hard Disk.

**PC1727 EASY QUOTE:** Price quoting program for those seeking an easy to use program for that purpose and only need a product file with a single unit price for that purpose. Two overhead factors are provided for projected cost purposes. Program design allows for the printed quote to be used as a billing invoice also. It uses auto look up tables and scrolling record windows. Customer name and address file, product file, multiple company file and quote file are all produced and updated by the program. Requires 512K RAM.

**PC1728 PDS EPRICE:** Companion program to PDS QUOTE program designed for Electrical, Plumbing, Heating and Air Conditioning contractors. Program is designed to allow these contractors to take advantage of weekly/monthly price updates from Trade Service of Australia. Program features pull down menus, on screen help, unlimited data size and printer support. Hard disk recommended. Requires PC1720.

**PC1730 COSBIZ JOB COSTING PROGRAM:** Good program designed for those needing an easy to use, stand alone job cost program. It uses auto look up tables and scrolling record windows for ease of use. The program provides four types of cost records; Equipment, Labour, Materials, and Subcontractor costs. It also includes the option for percentages or quantities to be used in the cost item. Various reports are provided for either cost method used, both can be used if desired. Program requires 512K RAM and wide carriage printer.

**PC1731 JOB COSTER:** Program is a simple to use, but very powerful job cost monitoring system. With this system you can set up multiple jobs each with its own unique set of cost centres, establish budget controls for each cost centre for labour, material, and other expenses, edit and post transaction cost items to each cost centre, and post estimates of percent completions for each budget item. Program also provides information on cost variances, profit and loss, and many more reports.

**PC1740 PC-SELL:** Point of sale which includes inventory control, accounts receivable, and invoice production. Allows for easy reporting of profit, margins, and customers with up to 26 departments allowed. Also allows for control of credit customers.

**PC1742 CASH REGISTER AND INVENTORY SYSTEM:** Excellent point of sale inventory control system for retailers. You enter company and store information and the relevant inventory information. Then when you enter a sale and put in the part number it automatically displays the product name and price, extended amount, sales tax component if required, and total. It then amends the inventory and sales records automatically. A number of reports are available including stock lists, and low stock listings, sales reports, and even customer mailing labels. Requires Hard Disk.

**PC1743 INVENTORY CONTROL PROGRAM: ICP** is a powerful and complete inventory management system. It includes modules to sell, order, and receive inventory. It tracks purchase orders and automatically adds inventory to the re order report when the count on hand falls below the acceptable limit. Inventory can be ordered and received both automatically and manually. Information is available at all times, and record templates facilitate data entry. Records can be located by item number, descriptions, manufacturers, vendors, or by browsing through the data. Pricing can be determined, and adjusted at will, with comprehensive reporting, including inventory summary, stock value, backorder, deletions, price lists, orders, and purchase orders, and many more. Hard Disk required.

**PC1744 MICRO REGISTER:** Point of sale cash register system with invoicing, billing and a small inventory built in. Program can be set up for many different types of business applications. You can print invoices for customers, statements for charged sales or services, and even generate price quotations. You also have the option of saving invoices and price quotations to disk and view them at any time. Program keeps track of inventory, with up to 65,000 items, and up to 65,000 customer accounts. Also keeps track of salesmen data, and calculates commissions to be paid. Income is calculated on three user defined periods, such as daily, monthly, and year to date, and can be viewed at any time, with password protection if required. Many reports can be produced such as inventory list items, items below reorder level, customer and sales personal list, and price labels. Requires a Hard Disk.

**PC1745 POLICY MAKER INVENTORY CONTROL:** A strong inventory forecasting system for the professional. Gives 12 month forecast, order points, economic order quantities, safety stock and service levels, optimal inventory quantities, and much more. Allows entry of monthly demand (sales) and inventories, or you can prepare data from your own data. Has graphics display of actuals vs forecast. Forecasts use any combination of: Trendless exponential smoothing, Trigg and Leach's adaptive smoothing, Double exponential smoothing for trends, Winter's exponential for seasonal demand, Least squares straight line fit, Trend seasonal fit, G.G. Brown's unbiased least squares, and Unbiased trend seasonal fit. Improved forecasting should enable you to reduce inventories and or improve service to your customers.

**PC1746 LONE PINE INVENTORY:** Inventory module of a completely integrated manufacturing system. Designed to simplify both inventory maintenance and analysis. Data it keeps include 16 character part number, short name, location information, commodity code, UOM, weight, selling prices and break, make/buy, reorder points, EOQ, lead time, and shrinkage. Also it keeps whether the record is for material, tool, drawing, gauge, equipment, or resource. Information on up to 3 vendors per part is maintained, including vendor part number and cost. Keeps Month to Date and Year to Date stock movements, on hand and on order details, as well as allocated and work in progress quantities. Reports include availability, item substitution, and summaries. Makes bin labels and price lists. Requires 320K RAM and a Hard Disk.

**PC1753 EASY INVENTORY:** Inventory program designed for those needing an easy to use, stand alone inventory program. Many businesses should find the program to be ideal for their purchases and sales as well. Besides various inventory reports, other sales reports should be ideal for monitoring cash flow and income from sales as well. The program maintains the cost of sales based on the cost at the time of the sale. It uses auto lookups and scrolling windows for ease of use. Inventory can be maintained by number, location, and supplier for the re order report. Record capacity is virtually unlimited. Reports available include sales by time, and location, purchases and sales summaries, total inventory report, reorder report, on order report, price list, inventory location, and supplier listing.

**PC1761 CHARTPRO:** Program will chart data supplied by the user in a daily High-Low-Close bar format. Also certain technical studies may be calculated from the data. Technical options include simple moving averages, exponential moving averages, displaced moving averages, parabolic time/price study, on balance volume and relative strength. Requires EGA/VGA video system.

**PC1762 STOCK PORTFOLIO:** Program stores, manipulates, and prints records needed to manage a portfolio of stocks. The program will supplement or totally replace the records maintained on paper or elsewhere. It allows you to track the purchase and sale of stocks. It will record multiple buy and sell transactions, register stock splits, and account for changes in basis. The program is adept at recording dividend reinvestments and transactions involving fractional shares. There is no limit to the number of stocks and transactions that the program can handle other than available disk space. The program also produces a wide variety of useful reports.

#### MISCELLANEOUS BUSINESS

**PC1800 EMPLOYMENT EVALUATION SYSTEM:** Program uses responses from a series of descriptive statements to determine an employer's requirements for a position. It then tests employees/applicants for their suitability for the position. Based on the responses the program produces a comprehensive report on the applicants and their suitability.

**PC1801 HIRE:** Program designed to help you respond to all who apply to you for jobs, grants, information etc.. It writes acknowledgment letters for you, alerts those who have not sent all the support documentation, list the applicants and help you make your decision.

**PC1802 LEAVE TIME OFF TRACKING:** Program designed to keep track of time off taken by employees. Easy to use, this program can be used to keep an eye on employee time off and prevent abuse of leave. Program enables you to enter and edit leave details, and print reports in both a detailed form, and a summarised form. On screen help is available at the press of a button.

**PC1804 RESUME SHOP:** Great resume creation tool. Suitable for all users this easy to use menu driven package allows you to easily create high quality resumes. Includes a number of sample files to help you create your own resume quickly and easily. Select the area you wish to include in your resume. These include personal data, education, work experience, references, and job objective. The program will give you help as you go. After entering the information the program will allow you to produce a resume either as an ASCII text file for, or print directly.

**PC1805 SIGN OUT:** Pop up program designed to keep track of where the workers in an office have gone. It's the electronic equivalent of the centrally located "SIGN OUT" board that many offices have. The program will track up to 99 employees and display to anyone on the office LAN if available, a list of who's signed out, where they have gone, and when they will be back. It will also allow the person who leaves the office to leave detailed instructions on how they can be contacted, and other details. Suitable for use on most network systems, or can be used on stand alone PC.

**PC1806 QUE TIME AND ATTENDANCE:** Database of time card information. Validates against defined rules and produces various reports on lateness, leaving early, long and short lunches, missed time, and more. Keeps histories, summarised by job class, overtime, and other relevant factors. Interfaces with the QUE Accounting System (PC1615) for complete reporting. Requires 640K RAM and a Hard Disk.

**PC1807 RESUME PROFESSIONAL:** This program helps you organise your information and print a professional looking of your resume. It is easy to use, thanks to its well thought out interface and on line help. A full edit window is available to make the final touches to your resume, and you can even open a second window to write a cover letter. \*NEW\*

**PC1808 RESUME MASTER:** Resume generator that allows you to enter information about yourself, your past work history, your education, etc, and takes this information, formats it, and prints it to create a professional looking one page resume. Resume Master allows you to create your choice of either a chronological type resume or a targeted type resume. On screen help is available at the press of a button. \*NEW\*

**PC1811 APPLICANT TRACKER:** APTRACK is an applicant tracking database designed to complement your paper file system. APTRACK allows you to track all personal information such as name, address and telephone number, as well as information such as sex, age, race, and handicap. Other information you can track includes position applying for, department codes, current status codes, applicant's source of information and application date. Each applicant's file is easily accessible for instant information. APTRACK allows you to create and save your own customised reports. You can also create and save up to three different letters which can be personally addressed to any applicant on file.

**PC1812 ERS EXPENSE REPORTING:** Program designed for outside salespeople and other employees who must provide regular expense reports to their employers. Allows for any number of expense accounts and up to 9 type codes. Provides both detailed and summarised reporting facilities. Easy to use, and comprehensive package. Requires Hard Disk.

**PC1830 PREVENTIVE MAINTENANCE:** Easy to use tool that helps reduce maintenance bills for any size company or individual. Lets you produce and update regularly maintenance schedules for all plant and machinery in your business or home.

**PC1832 EIMS MAINTENANCE SCHEDULER:** Equipment Inventory & Maintenance Scheduler. This program maintains an equipment inventory, user defined maintenance costs for each item, and scheduled maintenance for each item. Maintenance can be scheduled for almost anything needed. Although based on time schedules, this can be used for at least checking other maintenance based systems. Program requires 512K RAM minimum.

**PC1833 PC MECHANIC:** Maintenance management system for businesses of all sizes. Provides a computerised work order and preventative maintenance system that keeps track of work orders, maintenance schedules, and keeps track of all relevant records. Menu driven for ease of use. Requires 512K RAM and hard disk.

**PC1834 AUTO MANAGER:** Easy to use menu driven automobile management system. Program allows you to keep track of up to nine vehicles, each with up to nine user defined item categories. The number of transaction is limited only by your disk space. You may set up maintenance schedules and check to see when maintenance was done and is due for a particular vehicle and category. Reports may be printed by vehicle or category. Requires hard disk.

**PC1836 VMSYS VEHICLE MAINTENANCE:** Program designed to aid in the maintenance of vehicles, and the keeping of information on vehicles. Program can be used in both Metric and imperial mode. You enter information on odometer readings, date and cost of fill up, and amount of fuel purchased. The program will provide you with a wealth of reports and graphs outlining how efficient your vehicles are performing. Two vehicles may be maintained on the system.

**PC1837 VEHICLE RECORD SYSTEM PLUS:** Program consists of menu driven modules which are designed to help you track expenses for all of your vehicles. With it you will be able to determine and analyse individual vehicle costs for any period of time. Program will also remind you when to service your vehicles, it will tell you what maintenance operations need to be done, when they need to be done, and which ones are overdue. Vehicles can be tracked by odometer reading or hours, and any vehicle including boats and planes can be tracked. Easily customisable for use anywhere in the world.

**PC1841 SURVEY DRAFTER:** Menu driven application that converts user input data into an AUTOCAD script file format. Once the data is converted, the user begins a new AUTOCAD drawing and plots the survey data by executing the script file created by the program. Once the survey points are plotted the drawing can be further edited as desired by the AUTOCAD user. The program also creates an ASCII format X Y Z output file from the survey data that can be used as the database for several different contour generating software packages.

**PC1851 REAL ESTATE INFORMATION SYSTEM:** Real estate investment and/or brokerage data system consisting of a loan calculator to compute repayments and amortisation schedules, depreciation calculator for both straight line and accelerated methods, and a database for up to 800 properties which stores all the relevant information.

**PC1853 PC AGENT PROSPECT FILER:** Easy to use program designed to allow agents to keep track of prospects with information such as price range, type of home, size of home, income, deposit size, etc to enable them to pick ideal prospects for house when it comes on market.

**PC1854 RENTALS:** Fast and friendly rental management system that requires no formal knowledge of accounting to maintain financial records for up to 9604 rental units. Reports available include property reports, general journal and general ledger. Requires 512K RAM.

**PC1856A PROPERTY MANAGER DISK 1:** Rental management system with emphasis on the landlord's finances. Tracks income and expenses, gives tax reports by property, and property summaries by time period or class of property. Keeps information on current and previous tenants and makes mailing labels. Also includes a loan report facility with simple interest calculations for contracted property. Requires a hard disk and 640K RAM. Requires PC1856B.

**PC1856B PROPERTY MANAGER DISK 2:** Second disk of Property Manager program. Contains documentation for program and supplementary files. Requires PC1856A.

**PC1860 MANAGEMENT TUTOR:** Collection of documented programs that provide a complete computerised mini-management course provided in an educational and entertaining way. Written by a Management Seminar Instructor it covers areas such as communication, delegation, decision making, interviewing, planning and more.

**PC1861 MANAGEMENT MENTOR:** Program provides focused guidance about the specific skills you should develop to become a more effective manager. There are twelve separate questionnaires, allowing you to evaluate your skills in any or all of the categories. The categories are Managing Projects, Communication, Creating a Motivating Climate, Financial Decision Making, Managerial Problem Solving, Business Development and Sales, Organising, Representing the Organisation, Planning, Management Control, Staffing, and Influencing Others. The program saves your results, and provides you with help.

#### DESKTOP UTILITIES

**PC1870 DESKTEAM:** Memory resident "pop-up" utility which provides instant access to a calendar, notebook, calculator, dos and printer commands, and more. Do not have to exit the program your using as this program pops up over it.

**PC1871 MY DESK:** Pop-up desktop utility that includes powerful editor, an appointment calendar with pop-up alarm and daily reminder, a calculator, an ASCII table, and a DOS file command shell. It can also be used for printer control and pop-up help screens.

**PC1874A RAMDESK DISK 1:** RAMDESK is a handy memory resident utility designed with the typical small business user in mind. It will allow you to schedule upcoming events, and allow you to set up to 20 alarms per day, pass messages among workstations on a LAN, act as an electronic "in-out" board to keep track of where office workers have gone, hold phone numbers, addresses, and notes about your acquaintances, maintain a record of your expenses and the time you spend working on various projects, allow you to establish numerous databases, such as to do lists, general ledger account numbers, and client number cross references. It also provides a programmable calculator with a long "tape", the ability to correct entries, and to transfer the results to other programs. Can be used in conjunction with Billpower from the same author. RAM requirement can be as low as 7K when not active. Hard disk is recommended. Requires PC1874B.

**PC1874B RAMDESK DISK 2:** Second disk of the RAMDESK program. Contains documentation for the program. Requires PC1874A.

**PC1879 MEMTOOL:** Memory resident desk top utility which can be configured to use as little as 8K of RAM, yet is available at the press of a hotkey combination to provide valuable utilities including a calculator, a calendar and appointment scheduler, a file editor with facilities such as text search and replace, a DOS guide, a Diskview facility which allows you to instantly search for a file or group of files, a phone directory, an alarm clock, an ASCII table, a pop up ruler, and a screen capture utility.

**PC1880 TELEMESSAGE:** Memory resident pop-up telephone message system designed for use on stand alone computer and network systems. Messages can be kept for any number of people who can call up and print their messages quickly and easily.

**PC1881 NETCOMM EMAIL SYSTEM:** Memory resident program that allows simple message sending and receipt across a NETBIOS network. Two types of messages can be sent, global and private. Global messages will be received by everybody on the network who has Netcomm loaded and message receipt enabled. A private message is sent with an explicit destination. Consumes 21K of memory when run.

**PC1901 TIMESTAX:** Time management tool for consultants, managers, contractors, office workers, secretaries, or anyone who has a need to know how their time is spent. It offers substantial productivity benefits to all users. Features include unlimited stacks or timecards that record time spent in any activity, classified by date, client, project, and task categories for unlimited number of employees. Sublists of projects and tasks specific to each client. An optional 8 line note for each timecard, automatic clock to time any given activity, online help, summary reporting, import/export utilities, and LAN awareness. Smooth interface makes the program very easy to learn.

**PC1902 PERSONAL CALENDAR:** Memory resident program displays a three month scrollable calendar, a running analog and digital clock, and a time oriented event list and text note list on screen at the touch of a hotkey combination. A modifiable historical tracking made of events and notes, all of which can be printed. Warnings and alarms tell you when something is pending or overdue. Events can be scheduled in a number of ways, including one time, daily, weekly, bi or multi weekly, specific week day of the month, quarterly, or annually. They can be repeated indefinitely, or for a specific number of times. Can be used as a TSR where it uses only 6K of RAM, or as a stand alone application.

**PC1903 AMPLE NOTICE:** Calendar and alarm clock package that can help organise your life. You enter appointments and notes into a standard text file in any of a variety of natural formats, and each day you view a calendar of commitments taken from this file. Appointments which include a time can automatically set a 'pop up alarm clock' which notifies you in advance. Printouts can be obtained in various print styles so that you can keep track your appointments away from your computer. You can even print compressed lists for your wallet or purse. Different categories of appointments can be tracked for preparation of group meetings or for summaries of specific activities. Outdated appointments are archived for use in preparation of taxes and reports.

**PC1904 EARLY BIRD:** Program will automatically remind you of any upcoming events such as meetings, birthdays, bills due, and such like. Early Bird will provide a reminder as far in advance as you decide. Reminders can be categorised for your convenience. You can view a monthly calendar using Early Bird, or just scan it for up coming events. Very flexible and easy to use this program has context sensitive help available at the touch of a key. Can be used with or without a mouse.

**PC1905 REMINDERS:** A perpetual calendar that is coupled with a tickler file for activities, and dates, that are important to you. All date reminders are organised on month and date. Enter a date for a birthday, anniversary, or accounting deadline once, and that date reminder will then be shown on the correct day of the week year after ear. Ten codes, that are user definable are used to group each reminder under specific headings. Display reminders by day, code, date range, code and date range, or in summary for any month in calendar format. List to printer by date range, or code and date range. This product is ideal for newsletters, clubs, groups, or your special date book. Requires 512K RAM and 2 floppy drives or a Hard Disk.

**PC1906 TIMETRAC:** Time and expense logging system that can be run as a TSR or as a stand alone application. Provides flexible key structure and reporting, interrupted task tracking, multiple time tracking methods, partial and full report generation, export to spreadsheet and database programs, LAN support, context sensitive help, and a comprehensive documentation on disk. Most appropriate for professionals who bill their time, and for corporate staff people whose time is billed to projects. TimeTrac collects information to be fed into a billing or cost accounting system. Since TimeTrac uses clock time, the program or even the computer does not have to be running in order to keep track of the time spent on an activity.

**PC1912 RESIDENT TASKMASTER:** Memory resident program to manage lists of tasks, reminders, or ToDo's. Can be used for almost anything, from a general list of things to do, to a complete appointment scheduler, and more. Allows for multiple lists, sorting, prioritisation, easy date manipulation, user definable fields, audit files, simple printing, and more. Great for helping keep on top of all your lists.

**PC1917 MAKE MY DAY:** Complete computerised time management system for your PC. It is an Appointment Calendar, a Job Scheduler, a Time Log, and an Expense Account Manager. Produces handy Daily Reminder Report, helps prioritise your jobs, provide work in progress reports, and even allows you to keep track of time spent on each client or project.



**PC1919 TODO SCHEDULER:** Simple and efficient To Do list manager. Allows you to keep track of your To Do list quickly and effectively. Keep notes on the items in your To Do list, and prioritise them to allow you to more efficiently use your time. Also includes pop up calendar to enable you to check dates.

**PC1920 TIMEKEEPER:** Interesting program that logs time usage on your PC. Lets you log on and off specific programs and prints out a report of how long each person spent on particular projects. Useful for those who bill computer time, or who wish to see how much their computer is used for business.

**PC1922 TIME TRACKER:** Time management and billing package for people who bill their services by time. Allows you to keep track of clients, time spent on their projects, produces invoices for your services, and keeps track of accounts receivable and any income. Also has a number of useful report options.

**PC1923 YEAR PLANNER:** Organising tool which mimics the familiar "write-on wipe-off" wall planner calendar system most businesses use to schedule important events. You are allowed to write deadlines, appointments, and other important information into "day blocks" which can later be printed out in a large standard calendar format. Information can easily be updated or erased altogether, and reprinted. Features include an overlay template to apply similar messages in many "day blocks", an on screen year summary so you can see the whole year at a glance, and large calendar printouts. Requires 512K RAM.

**PC1925 PROJECTA TIME LOGGER:** Pop up program that automatically records the time and date it is popped up and allows you to enter a one line comment to keep track of your activities. Includes a begin and end clock, and the ability to calculate the time spent on an activity. Useful for consultants, lawyers, or any one charging by time.

**PC1927 TIME MASTER:** Australian program designed to help you keep track of the usage of your computer. It helps you answer how many hours a year your computer is being used, how many hours the computer is being used for business, what programs you use the most, how many hours each person is using the computer, and other details re usage of the computer. This is accomplished by using a logging on and logging off process, like an electronic time sheet. \*NEW\*

**PC1928 CLOCKWORK:** Program that keeps work/time records in diary form. CLOCKWORK lets you create a log entry for each task that you perform. The record shows date, start time, end time, activity description, and account code. The CLOCKWORKS reports allow you to generate applied time totals for the week, month, or any other period. You can get itemised reports showing activity on specific account codes. You can even export log records for analysis in spreadsheet or database programs.

**PC1930 YEARCAL:** The ultimate calendar maker. This program will print single or multiple copies of a calendar of any year starting from any date you set, and also allows thirteen month calendars to be printed. Even 3 digit Julian calendars can be printed. Calendars can be printed or viewed on screen. Also allows you to print monthly, weekly, or daily schedules.

**PC1931 CUSTOM CALENDAR:** Unique program which allows the user to print out a calendar for any length of time, which combines Gregorian and Jewish dates for each day, with indication of Jewish dates of significance when they occur. Also the program allows you to produce a database of dates of memorable events such as birthdays, anniversaries, etc. which can also be printed out on the calendar.

**PC1933 CALENDAR KEEPER:** Easy to use calendar system designed to help anyone who has trouble keeping track of dates and miscellaneous appointments. Its primary function is to draw wall calendars which include events the user wishes to remember, ie birthdays, anniversaries etc. Furthermore it allows you to keep up to 10 separate calendar event databases so you can keep track of personal, group or club, business and other event schedules without confusing them. You can easily add, edit, and delete data you enter, as well as scan for data.

**PC1934 CALENDAR MATE:** Full featured program to create personalised calendars. The user defines events to the program and it will display them on the calendars when printed. There are three types of calendars that can be printed, a monthly block calendar, a one page yearly calendar, and a daily appointment calendar and scheduler. The monthly calendar can display up to three events per day, and any of the calendars can be printed in English, French, German or Spanish. In addition to the attractive printed calendars, Calendar Mate's ability to handle different types of repeating events including complex types like 3rd Monday of the month. Context sensitive help is available at the press of a button. \*NEW\*

**PC1936 ON THIS DAY:** Interesting program which provides information about significant events on any day of the year. Events such as birthdays of famous people, historical and astronomical events, days of national observation, and religious holidays and events can be displayed on screen or printed from the database of over 1000 events on the disk. The registered version of the program contains significantly more information on each day of the year. \*NEW\*

**PC1950 MEMOIRS:** Feature packed private diary which allows you to encrypt your data as you type to stop others viewing it. It can also be used to encrypt any ASCII file. Also lets you access DOS without exiting from the program. On screen help available at all times.

**PC1951 CUMBERLAND DIARY:** Interesting diary program that integrates with Cumberland Story (C1952) program. Enter information about your day in free form text mode. Up to 7000 words per entry. Search by date or heading. Keep your diary secure by using a password option and data encryption. Requires hard drive. \*NEW\*

**PC1952 CUMBERLAND STORY:** Write your life story, or that of your ancestors using this unique program. Link it with your diary notes from Cumberland Diary (PC1951) or use the in built word processor and the outliner built into the program. \*NEW\*

**PC1961 APF PROJECT MANAGER:** Impressive menu driven set of project management tools. Allows you to quickly produce, store, retrieve, and update project schedules. Allows you to produce graphic and text based reports on various projects and calculate the various factors required.

**PC1962 EASY PROJECT:** Project management tool which allows up to 20 user defined project phases, unlimited number of resources per project, up to 1000 user defined tasks per project, fast data entry, automatic scheduling, and Gantt chart production as well as comprehensive reporting and dBase III file compatibility.

**PC1963 IPM PROJECT MANAGER:** Critical Path Method Project Scheduler program. Small and easy to use. Handles up to 99 activities, and produces various reports and plots to an Epson compatible printer.

**PC1964 PC-PROJECT:** Complete critical path project management application designed to run under Microsoft Windows. Features include pull down and Lotus 123 style menus, full mouse and keyboard interface, displays a project as a PERT chart, a Gantt chart, a list of activities, or a list of resources. The program automatically recalculates the critical path of the project using CPM or PERT algorithms, allocates costs to tasks on either a fixed cost basis or by assigning resources. Requires Microsoft Windows 3.0 or higher.

**PC1965 TASK MASTER:** Powerful yet easy to use project tracking package. With it you can create a file of projects, assignments, etc., edit the file, search for specific records, browse through the file, and print reports in any of several formats. Menu driven throughout the program supports most dot matrix printers as well as HP Laserjet compatible laser printers. 512K RAM minimum and hard disk required.

**PC1966 BESTGUESS:** Task planning tool intended to complement the increasingly popular scheduling programs which have proliferated in recent years. BestGuess is based on the PERT time estimating technique, helping you to conveniently estimate how much time to assign to each scheduled event. PERT time estimating using BestGuess is a statistically based approach. You break each major schedule item into subtasks (up to 15) and assign a minimum, typical, and maximum time estimate for each. On your command the program calculates the probability data for your entries.

**PC1970 QUICK GANTT:** Project management tool which will produce a GANTT chart of projects of up to 36 tasks quickly and easily, and allow easy print out and revision of the chart.

**PC1974 VACATION SCHEDULER:** Easy to use program to allow you to set up and control the vacation schedule for employees. After entering the names and vacation amounts for each name, everything is done with point and shoot style menus. The program stores the names you enter in employee roster files. You can have up to twenty roster files, and each can hold up to eighteen names. The program can then track vacation time on a daily basis, for up to two years for each employee. You can quickly view month by month the total vacations scheduled so as to spot any conflicts, and also print out reports.

**PC1980 EMPLOYEE SCHEDULING:** PC-SHIFT, a good employee scheduling system. Allows you to schedule by location, by job, and by 15 minute time periods within jobs. You may assign any employee to any time slot. Program allows you to update schedules and job descriptions, and view or print schedules and reports

**PC1981 WHO WORKS:** Good program which allows the user to make, edit and print 5-week work schedules for up to 32 persons. Program is easy to use and provides valuable information for all businesses. Prints to Epson, IBM, or HP Laserjet compatible printers.

**PC1982 WORK SCHEDULER:** Program designed to allow entry of employee's work schedules, with easy modification and printing of the schedules. The program will make a 1 week schedule, for up to 60 employees. The program will also display graphs of the schedule for each day. Program includes comprehensive configuration system to set up the program specifically to your needs.

## GAMES

**PC2008 GUNN GAMES 1:** Three great games from Christopher Gunn of ShareGames. Gopher's Garden is a great arcade type game. You are in the middle of a gopher invasion and they're tearing your place apart. You must find the pesky critters and get rid of them before they eat all your flowers. It isn't easy because you can't see them. While trying to catch them be careful to avoid crushing your own flowers. Mouse and keyboard support. MAXMAN is similar to PAC MAN with some innovative additions that make the game more enjoyable. You start off as a skinny guy, and seek magic apples to make you stronger. However the gremlins and grim reapers are out to get you. Super StarTrek is a great strategy game, where you must defeat the Klingons while you control the starship Enterprise whilst on your journey. \*NEW\*

**PC2009 GUNN GAMES 2:** Three more games from Christopher Gunn of ShareGames. AXTRONS combines a simple arena style game board with a fun introduction that sets the scene. The object is to eliminate your opponents by setting traps or by direct combat. OUTFOX is a computerised version of the old "Fox and Hounds" game. You must outfox the computerised fox and completely surround it so that it cannot escape. Various obstacles are in your way as you progress. TILTMAZE is an interesting game where the objective is to get as many of the smile balls rolled into the centre box as possible. It is not easy. When you tilt the maze with the cursor keys, all of the balls start rolling in the same direction. Also electric grids pop up to destroy the rolling balls. \*NEW\*

**PC2013 MONOPOLY:** Collection of monopoly games for the enthusiasts of the famous board game. Includes full colour graphics version as well as text based version. Great fun to play.

**PC2014 DOMINOES:** Graphics game of dominoes. Fun to play. Includes documentation on disk and a complete set of rules of the game in a text file.

**PC2015 AGITATE:** Interesting board game for one to four players. The object of the game is to move all pieces from the home position around the board and into the safe positions that have the same colour as your pieces. Game requires strategic thinking and planning.

**PC2017 JAPANESE GO:** Program based on the popular Japanese board game GO. Similar to checkers in many respects this game requires strategy and clear thinking to play. The object of the game is to get more point than your opponent by either capturing his pieces, or to surround spaces not occupied by your pieces. Comprehensive documentation on the game rules, and how it is played is included.

**PC2018 PC-JIGSAW:** Educational game of skill and intellect for all ages. It starts by drawing out an image on the screen and then it shuffles about the pieces. The object of the game is to assemble the pieces to match the original image on the screen. You can use the keyboard or mouse. Supports all graphics system, and takes advantage of the highest available resolution. Includes three images for use with the program. More are available with registration.

**PC2019 CHECKERS:** Good checkers program for you to play against the PC. You can select the time range in which the computer has to make a move, and the program adjusts its playing level accordingly. The program checks for legal moves and plays a very good game of checkers, defeating many other checkers games easily. You can save games to analyse your moves.

**PC2020 CROSSWORD CREATOR:** Program designed to help you produce your own crossword puzzles. Provides the tools necessary for laying out your own puzzle on screen, adding clues, and even help you solve other pre defined crosswords. Great for cross word addicts.

**PC2021A WORDFIND DISK 1:** System designed to assist you in finding words for crossword puzzles and other type of word puzzles such as acrostics. Consists of a number of files for words with two letters to up to twenty letters. The program prompts you for a template word consisting of letters and ?'s. The program returns a list of words that fill the template. From the list you select the word that fits your puzzle. Requires PC2021B.

**PC2021B WORDFIND DISK 2:** Second disk of the WORDFIND system designed for assisting in the solution of word puzzles. Contains data files for use with program. Requires PC2021A.

**PC2022 TOMMY'S CROSSWORDS:** Program turns your PC into a personal crossword puzzle management system, allowing you to create and solve computerised crossword puzzles. The maximum size of a puzzle is 17 rows by 111 columns. Included are 40 crossword puzzles to play, and you can create your own and add them to the library.

**PC2023 TEAR DOWN THE WALL:** Good strategy game with an arcade touch. The aim is to destroy as many bricks as possible. The larger the brick which is destroyed, the more points you get. The game is over when there are no more bricks to destroy. When you knock out a brick, any bricks that rest entirely on that brick will fall, possibly breaking more bricks as they fall. You can play against the computer, or two players can play against each other. You can use the keyboard or a mouse.

**PC2024 3D MAZE:** You are trapped in the centre of a randomly generated maze of size which you have specified. You will be shown a realistic 3 dimensional view of the room you are standing in, exactly as you would see it. You must find your way out, but it is not as simple as it seems. You can race against the computer, or against other players, and even print out maps to help you. However the three dimensional aspect of the game provides an intriguing challenge similar to that of caving in the real world. The program can prompt you with "fuzzy" logic if you prefer.

**PC2025 RAILROAD RUNNER:** Arcade style game for all ages. The object of the game is to earn as many points as possible by guiding your railroad engine to lay out new track. Watch out for the cherry bombs and the masked bandit, while seeking to find new oil cans and money. Make sure you don't run over the houses, as this will slow you down.

**PC2026 TOMMY'S MONOPOLY:** Monopoly game from Tommy's stable of electronic toys, that is very true to the classic game. For two to eight players, with the computer also acting as a player, this game displays the entire board on screen. You can play the standard game, or the short game, with or without time limits. Games can be saved and restored from disk, and full control of sound and speed is available. Players can examine their holdings and status in secret. Comprehensive rules and instructions are provided.

**PC2027 THE NEW PUZZLE FACTORY:** Program takes a set of questions and answers and turns them into a wide variety of puzzles. You can easily produce crossword, acrostic, hidden message, two types of scrambled word, and four varieties of word find puzzles, as well as regular worksheets. Program includes numerous time saving features which allow you to edit or add to your sets of questions and answers and store them on diskettes or your hard disk. Includes a sample worksheet with over 50 questions. Requires 384K RAM and printer. \*NEW\*

**PC2028 MORAFF'S BLAST I:** Action packed clone of the famous break out game with a number of unique twists. Will take advantage of the highest resolution available on your system from CGA and Hercules to Super VGA. Select from three variations of the game, plain brick wall, falling walls, and Blast adventures. One or two players can play with or without the aid of the computer. Up to 20 balls come at you at once in this high speed game which will really tax your coordination. \*NEW\*

**PC2029 DARWIN'S ARENA:** Interesting game which claims to be a combination of the old computer game LIFE with some ideas from the illegal sports of dogfighting and cockfighting. It simulates seven different life forms, each with its own strengths and weaknesses, and has them engage in a fight for survival. It features animated graphics, sound, and various options. You can play in arcade mode, where you control the monster against computer controlled enemies, or in spectator mode. \*NEW\*

**PC2031 ED'S CHESS:** Extremely powerful chess game that will work on any system and beat almost any opponent, even commercial chess games. Uses standard computer characters to produce the graphics. This enables the computer to use its processor to play chess. Excellent on screen analysis at all times.

**PC2032 POWER CHESS:** Powerful, yet easy to play chess game. Obeys all the international chess rules such as en' passant, 50 move drawing rule, and more. Recognizes stalemate and technical draws. On screen representation provides a lot of useful information including playing time for each side, index of last moves, index of all possible moves, and even allows the computer to give you hints if you need them. Easy to use this program is suitable for novices and advanced users alike, and can even be used in learning how to play chess. Even provides a library of games and interesting positions which you can add to. Takes advantage of any graphics system including Hercules.

**PC2033 SPRINGER CHESS:** Chess program with 10 levels of play to suit almost any user's playing strength. Program features excellent display of chess board, in colour if your system supports it, ability to print display to an Epson or compatible printer, as well as a complete print out of game record in algebraic chess notation, ability to save and restore games on disk, easy entry of moves using arrow keys and on screen cursor, a referee mode to supervise games between two players, and the ability to step backward and forward through a game to review it.

**PC2034 XTETRIS:** Video game much like the popular TETRIS game, but the shapes are not only composed of squares, but triangles as well. Triangles can fit against another triangle, as well as complete a square, but will slide off if they can. You can use the 'x' particle which falls periodically, which will destroy the first shape it touches to clean up. \*NEW\*

**PC2035 MORAFF'S ENTRAP:** Intriguing logic based 3 D game which has many playing fields and levels. Graphic support for all systems from CGA and Hercules to Super VGA. This game will be enjoyed mostly by those who are inclined toward challenging puzzles combined with spectacular graphics. The object is to reach the opposite end of the playing field while avoiding robots who have been instructed to kill you. You must set traps for them, but as the game progresses the robots become smarter in avoiding the traps you set. \*NEW\*

**PC2036 BOATWAR:** Shooting gallery game based on the old arcade game. You must sink as many boats as possible, but as you progress the boats get faster. Program requires concentration and skill in aiming at the moving targets. Realistic sound effects and good graphics make for good game play. \*NEW\*

**PC2037 JILL OF THE JUNGLE VOL 1:** Amazing animated arcade game suitable for PCs with CGA to VGA graphics systems. Will utilise spectacular 256 colour display on VGA systems. Guide the fearless Jill through the immense animated game world. Great graphics, thundering sound effects and SoundBlaster support make this game immensely playable for all ages and skill levels, and it is non sexist with a female hero. Requires hard drive and 640K RAM. \*NEW\*

**PC2040 BACKGAMMON:** Easy to play, yet very challenging backgammon game. Graphics based it provides command help at all times, allows you to backup your moves, even plays itself.

**PC2033 QUANTOIDS:** Arcade style space action game. Player's viewpoint is the cockpit of an advanced space cruiser. Shoot em up action with a twist.

**PC2034 NINJA:** Great graphics martial arts game which combines platforms with arcade action fighting. You are assigned to attack a heavily protected fortress protected by black belt karate fighters and the elite Red Guard. Requires CGA video card.

**PC2036 TURBO RACER:** You are driving your high speed racer along a two lane highway. To reach your destination you must pass slow moving traffic while avoiding oncoming vehicles. You receive points for driving, the faster you go the more points you get. To accelerate faster change gears to high, and watch your car burn. However if you collide you'll find yourself engulfed in a huge explosion.

**PC2037 LABBITS & VALDRONS:** Good video arcade type game that develops quick reflexes and good imagination. You are in charge of security on your spaceship, guarding it against the attacking Valdrons.

**PC2039 PROTON WARRIORS:** Arcade style battle simulation, set in a maze-type playfield using hand phaser weapons. The game consists of a maze playfield, with two opposing teams. Each team consists of three players. There are also two bases or goals, which are colour coded to match the team which should be trying to protect it. Points are obtained by blasting the hell out of the other team, while avoiding their fire. The computer controls the red team, while you control the blue team. Good graphics and sound effects make for a great game.

**PC2061 FORD SIMULATOR:** Test drive a wide assortment of 1988 FORD automobiles on your choice of four different tracks including touring, slalom, drag strip, and Grand Prix. Great graphics and can even be educational.

**PC2062 RACETRAK:** Horse race game for up to 10 players. Simulates being at the track. Place your bets, watch the race, and let the computer tell you how much you have won or lost.

**PC2063 OFF ROAD RACER:** Good graphics game where you must drive your jeep over rocky terrain whilst avoiding the offending motor cycles and shooting obstacles.

**PC2064 BERMUDA TRIANGLE:** Sail 3 legs of the Bermuda Triangle picking up swimmers and rafters stranded in the water, and finally sail to port. However you must avoid the mystic forces of the Bermuda Triangle. You control your yacht in this great graphics game suitable for all ages.

**PC2065 SEAHUNT:** Computerised graphics version of then old Battleships board game. Great implementation of the old board game classic with sound and graphics, as well as god game play. Various levels of play enhance the games playability.

**PC2067 JANITOR JOE:** Good arcade quality platform game. Joe is the janitor on a space station where the robots have gone berserk and are after you. Joe must find all his keys and escape the space station, or be killed by the mad robots.

**PC2068 CLONE INVADERS:** Excellent arcade quality space invaders clone. Shoot the invading aliens before they get you. Can be used on any graphics system and supports graphics in CGA, EGA, and even VGA mode, as well as use of a mouse. Good graphics especially in EGA and VGA mode.

**PC2069 CREEPS:** Good game that requires agility and speed to avoid the creeps out to destroy you. You are located in a geometric maze. The creeps outnumber you so you must get rid of them with your trusty gun. Shoot them as fast as you can because they get smarter as the game progresses. Also as the game progresses blobbies will appear. You must avoid these at all costs as they will destroy you.

**PC2071 DR SLEEPTITE AND THE NIGHTMARE FACTORY:** Deep in the heart of the Mojave Desert, the mad Dr Sleepitite has been hard at work developing a machine that creates nightmares. No one knows where the doctor is. Your job as Restless Ralph Runabout is to traverse six levels of Dr Sleepitites Nightmare factory, destroy his nightmare capsules, and attempt to shut down his dream machine. However it is not that easy as Dr Sleepitites killer pillows are hot on your tail. Great graphics game can be played with keyboard or joy-stick.

**PC2072 LINEWARS:** Graphics game with extra interest. The main objective in this game is to destroy your opponent. You are flying a Cobra Mark IV multi purpose General Contact Vehicle, which is a very fast and manoeuvrable spaceship. Your opponent is flying the same vehicle. The game takes place in intergalactic space, where stars are few and alien vessels common, so you must watch out for them as well as your opponent. Your ship is equipped with an energy shield, up to six missiles, and two beam lasers, front and rear. You can play against the computer, or for more realism you can connect two computers by serial cable or modem and play a live opponent.

**PC2073 RACEI:** Miniature car racing game. The cars can accelerate, decelerate, or turn through the race courses while many obstacles block their progress including walls, slopes, gates, tornadoes, and gas slicks. The more tracks a car successfully completes, the better the car becomes in areas such as acceleration, speed, traction, and helicopter speed. Also, RACEI lets you design your own race tracks on which the cars compete. Two versions on disk, one for standard CGA and Hercules systems, and one for EGA/VGA systems to take advantage of higher resolution.

**PC2074 DRAGCITY:** You have been left a dragster by your uncle. Its an old manual 3 speed job with the engine in front, and you have decided to race it yourself. You can race using either your keyboard or a mouse. This program provides a very realistic simulation of a drag race, complete with gear display, and racing view. See how fast you can go without wiping out.

**PC2080 MINIATURE GOLF:** Excellent game of golf with on screen representation of the course and great scoring screen. Play by yourself or set up a tournament. Very addictive and great fun.

**PC2081 TEED-OFF GOLF GAME:** Excellent graphics golf game. Pick your club and swing, and see if you can become a golf pro.

**PC2083 MICRO GOLF:** Mini Golf simulation for your PC. Choose one of three available courses and play against the computer, or with up to four players. Select the direction and power of your swing and seek to sink the ball in as few strokes as possible. Micro Golf features realistic conditions on each golf hole. Due to imperfections on the putting surface, slight variations in the distance and angle of the ball occur. Also, using too much power in your swing causes the ball to lip the cup, or skip the hole entirely.



**PC2084 CGA CADDYHACK:** Golf game based on reaction time. Choose club, power and aim. Excellent high resolution graphics and 5 levels of difficulty provide for a great game of golf on your PC. You can even select the type of trees on the green. Provides both an overhead view of the course, and a from the ball view. Does the score handling and even gives handicaps. Even has an auto caddy to provide suggestions of the appropriate club. If you have an EGA or VGA system then PC2663 EGA CADDYHACK is the high resolution equivalent of this program. If you only have CGA or Hercules, then this is the one to go for.

**PC2092 RAILROAD SWITCH CHALLENGE:** Great railroad simulation program. Just like having your own model railroad set. The game objective is to move railroad freight cars along simulated tracks to industry locations, and subsequently assemble a departing freight train on the mainline track. Excellent graphics and game play.

**PC2100 SLEUTH:** Good adventure game where you have to find the murderer. Each time you play the game a new scenario is created so you won't get bored of this game. Includes graphics.

**PC2108 KINGDOM OF KROZ:** Graphic based adventure game. You must journey through 25 very dangerous dungeon levels, each riddled with diabolical traps and hideous creatures to seek the Amulet of Kroz.

**PC2109 SOUTH AMERICAN TREK:** Educational text adventure where you must travel through South America as a special investigator for the president. On your travels you have the opportunity to learn about South American geography.

**PC2110 BRAINSCAPE:** Excellent educational adventure game which teaches you neuroanatomy whilst you play. You find yourself alone in the brain fighting to find your way, and finding treasures along the way. This game is a must for anyone interested in learning whilst playing!

**PC2112 MAROONED:** Adventure game where you are the survivor of a crash landing on a hostile alien planet. You must determine how to survive.

**PC2120 NIOSA:** Graphics based adventure game. You are at the San Antonio Fiesta where you have to eat, drink, and investigate as much as you can to find your friend and be home before midnight.

**PC2121 DUDLEY DILEMMA:** Award winning adventure game. You play the role of a Harvard student living in Dudley House in his quest for knowledge, adventure, and a diploma. Very good text adventure game with touches of humour.

**PC2122 RANADIN:** Graphical fantasy adventure game which engages you in the struggle to free a group of islands from the clutches of evil creatures. The game uses full screen graphics to simulate you surroundings. Both combat and sorcery play a major role in your quest.

**PC2123 FALCITY:** Graphical adventure game wherein you take the role of a private investigator trying to solve a case in a district of a fictitious city. Full screen graphics are used to simulate your surroundings as you explore the streets and buildings of the game's city environment.

**PC2124 ARCHER:** Archer is an adventure/action game wherein the player fights the mystical enemies of a fantasy land with a new found rapid-fire crossbow. The game's action progresses screen by screen, with hundreds of screens to explore.

**PC2127 EVETS:** Role playing computer fantasy adventure game. Evets creates a drama where the game player(s) are in a world of animated mythology. Each player is a roguish character living by his wits who attempts to challenge the fabulous spirits, sprites and monsters of folklore. Players explore endless labyrinths and dungeons in search of treasure and glory.

**PC2128 BEYOND THE TITANIC:** Adventure game set on the maiden voyage of the ill fated Titanic. Your goal is to survive and somehow get back home. Most of your time will be spent solving numerous problems and dangers that arise, like starvation and drowning.

**PC2129 ALICE IN WONDERLAND:** Adventure game based on the Lewis Carroll novel Alice's Adventures in Wonderland. You must find your way through Wonderland whilst examining its contents and interacting with it. Educational for those who have read the book, and great fun for those who haven't.

**PC2130 WILDERNESS SURVIVAL:** Adventure game based on reality. You are lost in the Rugglesstone National Park with only your Swiss Army Knife for help. You must find help before you starve to death, or worse. The Ranger Station is close by, but you must find it within a 100 square miles, not an easy task. But to make it more interesting you must avoid the nasty surprises along the way and accumulate helpful items as you go.

**PC2131 LOST ADVENTURES OF KROZ:** Great sequel to the Kingdom of Kroz this action packed adventure game consists of 75 levels. New features include creature animation, constantly growing forests, gravity wells, ropes, spears, daily diaries, and many, many more. If you survive the 75 levels you'll get to read the sacred Tome (book) of Kroz that explains the untold stories that players have demanded. Also for players of Rogue, you'll finally get the Amulet of Yendor.

**PC2132 ME WITH NO BEER:** Text based adventure sequel to Marooned where you have crashed your spaceship on a hostile alien planet. Your aim is to survive in this hostile environment, even though where you have landed is right in the middle of a hostile alien security hive. You have control of a number of clones through a slightly damaged telepathic link. You must use the clones to go into the alien hive and retrieve the parts you need to repair a forgotten alien vessel and blast off. If you fail, you will never have another beer, the aliens hate beer. Requires Hard Disk.

**PC2133 SON OF STAGEFRIGHT:** Text adventure game where you have to find your way out of an abandoned theatre. Along the way you will run into creaky catwalks, raging rivers, mini mazes, rogues, royalty, rats, and a zoo keeper. You will endure puns, perils, pratfalls, word play, bad jokes, and a mild innuendo or two. The screen will show a running account of your predicament, and you will enter your wishes via the keyboard.

**PC2134 HOGBEAR 2:** Text/Graphics adventure game for all ages. The object of the game is to find the HOGBEAR, learn his secrets and discover the secret of leaving the House of HOGBEAR. As you progress through the various rooms you need to be on the lookout for treasures and weapons which may aid you in your quest. Many nasty creatures abide in HOGBEAR MANOR, and they can kill or maim you if you are not prepared. This game requires good strategy and careful mapping to complete.

**PC2135A WIZARD'S LAIR DISK 1:** A medieval adventure game with user defined characters, and action. When you begin you are sent to the Adventurer's guild in Angston. From there you must leave to explore and learn the secrets of the Wizard's lair. Based on the game of Dungeons and Dragons this adventure game will keep you enthralled for days at a time as you aim to keep alive. Program has save and recall function, and a boss key to hide what you are doing when the boss is looking. A Hard Disk is required to run this program. Requires PC2135B.

**PC2135B WIZARD'S LAIR DISK 2:** Second disk of the Wizard's Lair adventure game. Contains data files for program. Requires PC2135A.

**PC2136 THE SHRINE OF KROZ:** Also known as Return to KROZ, this puzzle solving game is one of the KROZ series, famous for there great game play. In your search for the precious Crown within the mysterious Kingdom of Kroz you have blundered upon a secret passage leading deep into the Earth. With your lantern, and your whip you journey downward, knowing that before you lies great danger. Great combination of graphics and mapping make this a great game to play.

**PC2137A FIRST EXPEDITION DISK 1:** Graphics adventure game which takes place on an ocean world. It is a real time first person adventure with you at the helm of an explorer ship navigating to known islands and searching out unknown ones. You are operating from a boat with specific food and fuel capacity. Food and fuel can be obtained from various islands. This game requires navigational skills as well as the normal logic skills involved in an adventure game. Requires Hard Disk. Requires PC2137B.

**PC2137B FIRST EXPEDITION DISK 2:** Second disk of the graphics adventure game First Expedition. Contains data files necessary for the running of the program. Requires PC2137A.

**PC2138 MONUMENTS OF MARS:** From the people who produce the KROZ programs, this adventure game makes great use of graphics and sound to provide great game play. In this game NASA has sent several manned missions to explore the mysterious monuments, but every mission has ended in disaster. You are the final hope. You have been chosen for a special mission to discover the secrets of the Martian monuments. The game begins just after your ship lands on Mars, near one of the monuments. In this arcade/adventure game you must survive 20 unique and challenging levels filled with puzzles, traps, creatures, and useful artifacts. Features include save/restore, high score chart, keyboard configuration, and much more.

**PC2139 DRACULA IN LONDON:** Graphics based adventure game for 1 to 6 players based on the book by Bram Stoker. Each player assumes the role of a vampire hunter. you must track down the Count before he turns Mina Harker into a vampire. However many surprises await you in this game. The creatures of the night are against you, and the Count has the strength of 20 men and the cunning of centuries on his side. The characters can work together, or alone to defeat the Count.

**PC2140 LANDING PARTY:** Text based adventure game with a difference. In this game your favourite movie stars, historical figures, friends, or relatives become the characters in the adventure. You determine who the characters are, and is different each time you play. You are the captain of a research space ship with a crew of 30. The ship has run out of energy and you have used the last of it to transport yourself and 5 hand picked volunteers to the surface of a planet to obtain energy crystals to repower the ship.

**PC2141 DUNGEON EXPLORER:** Graphical role playing game. You create a character, buy equipment and explore a dungeon or ruin. You must defeat whatever monsters you encounter to gain experience and wealth, causing your character to become more powerful and stronger. Unlike most role playing games Dungeon Explorer allows you to play a variety of different adventures using the same game. Each adventure is scored separately and as time passes more adventures can be added and played. The program comes with a mini adventure called Dungeon of the Beast which contains 11 rooms to explore. \*NEW\*

**PC2142 QUICK MAJIK ADVENTURE:** Tactical fantasy adventure game with good graphics and intriguing game play. Uses multi colour bit mapped graphics for great effect, and an infinite variety of caves and mazes to work through. There are over 160 spells in this dungeon game, and you must find your way out, past the hundreds of monsters and enemies that await you. \*NEW\*

**PC2143 MORAFFS WORLD:** Excellent graphics based fantasy adventure game suitable for all graphics systems from Hercules and CGA to Super VGA. The objective of the game is simple, to survive and become more powerful. You select the class of your character, and they differ in strength and other attributes. You must use the attributes of your character to allow you to complete your way through the dungeons and mazes till the end. Game is loosely based on the dungeons and dragons type games. Impressive use of graphics, and a wide assortment of spells and powers make for a great game. Program contains a 16 level deep dungeon, and about 20 classes of monster. \*NEW\*

**PC2144 ZZT:** Action adventure game based on object oriented programming. To complete the game you must master 43 game boards filled with creatures and ingenious puzzles. The game is very challenging and requires a good amount of brain power as well as fast reflexes. Included is a game editor so you can create your own game worlds using a set of ready made objects. You can also write small programs to control objects using the built in ZZT-OOP programming language. Requires 512K RAM. \*NEW\*

**PC2145 PHAROAH'S TOMB VOL 1:** Excellent arcade adventure game set in a huge Egyptian pyramid. You, as Nevada Smith, will need to explore and survive 20 uniquely dangerous levels riddled with ingenious puzzles and traps. Program features smooth flowing graphics and good sound effects. You start with five lives and a few spears which can be thrown at offending denizens that guard the pyramid. Moving walls, falling spikes, bats, mummies, and magic winds are just some of the hazards to overcome.

**PC2146 ARCTIC ADVENTURE VOL 1:** The second exciting adventure for Nevada Smith as he stumbles upon the location of a tremendous Viking treasure cave. Join our intrepid hero as he heads for the Arctic in this stunning and chilling new adventure. In this game you must endure 20 levels of diabolically mind bending and puzzling arcade action designed to keep you from succeeding. You face freezing waters, diabolical traps, slippery ice patches, falling stalactites, runaway snowballs and more. Use the keyboard or joystick to find your way around.

**PC2147 ROBOMAZE II VOL 1:** High quality arcade adventure game that will keep you engrossed for hours. In this game you must enter the lobby of the tower of the stronghold of the evil dictator. You as a freedom fighter must work your way through the levels to get to the next stage of the adventure.

**PC2148 ROBOMAZE III VOL 1:** Sequel to Robomaze II, in this great new program you control a Stalker robot as you find your way round the Dome, to other of the tyrannical dictator's hide outs. This version is designed for CGA systems. If you have a EGA or VGA system then get the EGA version PC2657. This program is a unique mix of arcade and adventure game, with some great graphics, and some unique twists in the game play. \*NEW\*

**PC2200 BRIDGEPAL:** Contract bridge for one or two players with complete bidding, play and scoring, and bidding help for beginners. Also has best hand option to increase offensive play.

**PC2201 KLONDIKE SOLITAIRE:** Graphics implementation of the card game solitaire with a number of different options. Suitable for colour or monochrome monitors.

**PC2202 BLACK JACK TUTOR:** Blackjack game which actually helps you improve your blackjack game. You play against the computer and you can work on new tactics and strategy in your play. You can also chart your progress in graphic format. Of course if all this is too much you can just play blackjack with it as well.

**PC2203 LAS VEGAS CRAPS:** Good craps game that brings the casino to your computer. Very accurate simulation of the famous dice game which allows up to 40 different types of bets and even provides on screen help.

**PC2205 MAHJONG:** Excellent Australian written program of the old Chinese card game. Excellent graphics in full colour on colour monitor. Works great on CGA or EGA monitor but does not work if your PC has a Hercules monochrome graphics adapter.

**PC2208 GIN RUMMY:** Excellent computerised adaptation of the old Gin Rummy game. Plays either standard version, Oklahoma, or Cowboy version of the game. You play against the computer, or if you prefer watch the computer play against itself.

**PC2209 DRAW POKER:** Program allows you to play five card draw poker against the computer. See your cards on screen and bet like the professionals. Provides challenging game for the serious player as well as helping the weaker players sharpen their skills.

**PC2210 PONTOON:** Good pontoon game with a difference. This game can be loaded as a memory resident pop-up program, so whenever you get bored and feel like a game of pontoon, hit the hot key and play, and when the boss watching just press a key and away it goes.

**PC2211 TOMMY'S 21:** Good version of a wise cracking computerised Blackjack dealer. Gives you the option of playing standard Blackjack, or the variants Flapjack, and Macao, all fully explained in the documentation. Good game play and lots of fun.

**PC2212 CRIBBAGE PARTNER:** Program provides a realistic representation of the entertaining game of cribbage. The program substitutes computer simulation for the cards, pegs, and board of the actual cribbage game. Shuffling, dealing, and bookkeeping are done automatically, so you can concentrate on the strategy of the game. Also included are the rules of cribbage for those not familiar with the game.

**PC2213 CANASTA:** Computerised implementation of the South American card game Canasta. The computer acts both as an opponent and a tutor helping you improve your game as you go. Instructions on the game itself are included.

**PC2214 7 STUD:** Play 7 card stud against 1 to 7 other players, including the computer. You can set your opponents skill level from beginner to expert, then play real poker against them. The computer players bet, raise, fold, and even bluff. You can set the betting limits, maximum raises, and players stakes. You can play to improve your skills, or just for fun.

**PC2215 VEGAS PRO JOKERS WILD:** Video Poker game for your PC, similar to the games seen in many hotels. Bet on your cards like a pro, and see how much you can win, or lose. Help is available on screen at all times.

**PC2216 YANKEE 21 BLACKJACK:** Serious blackjack playing program. Designed to provide a very challenging game this program uses the Stanford Wong Hi Lo theory to try to outsmart you. Program also provides the option of teaching you the advanced concepts of blackjack play. Good for blackjack players of all levels.

**PC2218 KENO:** Play KENO like at the Casino. Based on Las Vegas Keno you pick from 1 to 15 numbers called spots. You select your spots, and then enter your wager. You can access the "pay off table" is accessible from the entry position or from the options menu so you know how much you can win. Great fun, and good for training you for the real game.

**PC2219 BACCARAT:** Play the great casino game at home on your PC. The cards contain eight 52 card decks shuffled together and they are dealt from a box called a shoe. After all players have placed their bet the dealer deals two hands, the Players hand and the Bankers hand. You bet on either the Players hand, the Bankers hand, or a tie. Great practice for those who play at the casino, or good fun for those who play for enjoyment.

**PC2220 YAHTZEE:** Great computer implementation of the traditional dice game. The object is to finish the game with the highest score. You can play against the computer, or against up to 5 other players as well as the computer. The program uses sound and graphics to great effect to maintain the excitement in the game. Good for all ages.

**PC2223 UP THE WALL:** Challenging yet simple to play game. Your job is to let wall blocks drift up the screen to provide a route for the drain water to move through. The board is a grid like pattern. When the game begins, there will be a starting point chosen at random where the water will start to flow from after 25 seconds. At the bottom of the screen you will see a block of wall moving back and forth. You must move these blocks so as to provide a route for the water to flow.

**PC2225 PC BINGO:** Good computer implementation of the traditional game of BINGO. Simple to play this game can provide hours of entertainment. The program will print BINGO cards for you to use while you play on a dot matrix printer. The program will then randomly select numbers for you. When someone calls out BINGO, the program will allow you to verify the numbers to determine if you have a winner.

**PC2226 CLUE:** Computerised version of the detective board game CLUE. For 1 to 6 players this program follows the original board game very closely. Requires a printer to produce the Detective Notepad. The program provides comprehensive on screen instructions, and handles all the cards whilst keeping track of the various movements of the players.

**PC2227 ARGH!** Collection of seven sliding block type puzzles. The puzzles vary in difficulty. The blocks move horizontally and vertically only. can be played from the keyboard or with a mouse. Your current position can be saved, and restored for later play. After you play the game you will be screaming ARGH!, thus the name. Addictive and challenging for all ages.

**PC2228 CRAP SHOOTER:** Computer implementation of the popular casino game of Craps, designed to help the average person to learn the intricacies of the game. Supports 15 different types of betting including field bets, backline bets, and pass or don't pass bets. Includes documentation on disk describing both the game play, and terminology of Craps, as well as instructions on how to best play Craps. \*NEW\*

**PC2229 GIN RUMMY CHALLENGE:** Dynamic and elegant way to play Gin Rummy against a resident expert (your computer) or against another human player via modem to modern communications between two computers. Can be played from the keyboard or with a mouse. All of the instructions and help you will need are contained within the program. Games can be saved and restored for later play. Program provides help on strategy and the rules of the game at the press of the F1 key. \*NEW\*

**PC2300 WAR ON THE SEA:** High level strategic and tactical simulation of typical World War II naval campaign. Using your skill and strategy you refight some famous battles.

**PC2301 GALACTIC EMPIRES:** Strategy game where the object is to try to control the most planets within a specified period of time. To achieve this each player is given a home planet with an initial number of ships to be sent out to conquer other planets.

**PC2302 EMPIRE 5:** Simulation of a full scale war between two emperors, the computer and you. The object of the game is to destroy your opponent. Both you and the computer start with one city, the rest is up to you.

**PC2303 AFRICAN DESERT CAMPAIGN:** Two armies contest for supremacy in the African desert. Your object is to destroy your enemy before he destroys you. Good war game with on screen map, and easy to use menu operation.

**PC2304 RISK:** Computerised version of the board game of world strategy and world domination. Allows up to six players including the computer as a player. Displays the full map of the area on your screen.

**PC2306 FRIGATE:** Strategic game that pits you against a Soviet fleet of vessels. The object of the game is to destroy as many Russian ships as possible whilst avoiding your own destruction. At your disposal you have radar, sonar, jamming equipment, anti missile capabilities, and three type of ordinance.

**PC2307 TACTICAL STARSHIP SIMULATOR:** Simulation of a tactical starship simulator. You actually have the feeling that you are commanding a real starship, against real enemy captains. Much better than the old "quadrant-sector" type games.

**PC2308 BASSTOUR:** Fishing tournament game in which you have complete control of a fully rigged bass boat with all the latest equipment, and your aim is to catch as many fish as possible. Excellent graphics suitable for all graphic video adapters.

**PC2309 STAR TREK:** Graphics based implementation of the famous star trek game. Each player starts with a starbase and up to 12 starships. The object is to map the galaxy, discover planets which have energy and other goods, whilst fighting the enemy.

**PC2310 SECOND CONFLICT:** Interesting strategy game set in outer space in the future. The aim is to unify the Altair system, but much stands in your way. Not only must you meet your enemy in combat, but you must also keep the morale of your own forces high, and keep starship production high. Good thinking persons game.

**PC2312 STARLORD:** Interesting space trading adventure game. Uses graphics to enhance game play, you must travel through the universe on your star ship seeking goods to buy, whilst avoiding the aliens. At your disposal are a number of weapons and shields. Great game play for all ages.

**PC2313 BATTLE OF KURSK:** Game program that simulates tank vs tank warfare on the Russian front in World War II. It features accurate silhouette drawing of eight historical tanks of that period, with each tank rated for the thickness of its front and side armour. Playing the game is easy, but strategy and tactics are important.

**PC2314A BIG THREE DISK 1:** The ultimate World War II strategy game. You control all the action from the desolate firds of Norway to the scorching sands of Egypt, from the strategic Rock of Gibraltar to the frozen streets of Moscow. recreate the epic and fiercely fought battles of Tobruk and Stalingrad. Decide to open your second front in Normandy or Italy, where to bomb, how many tanks to build, all in an easy to play game with excellent graphics. Command the Allied, Axis, or Soviet troops in this excellent game. 512K RAM required. Requires PC2314B.

**PC2314B BIG THREE DISK 2:** Second disk of the BIG THREE program. Contains files necessary to run program. Requires PC2314A.

**PC2315 INTER GALACTIC BATTLES:** Classic map based Star Trek game with many up to date features to make it easier to play. Operates in pseudo real time, you have the option of various classes of ships, with varying degrees of protective and offensive weaponry. Program comes with six pre defined scenarios, plus the capability to produce your own custom scenario. Can provide stimulating game play and ease of use via its menu system.

**PC2316 FACING THE EMPIRE:** One player interstellar conflict simulation. The object of the game is to drive the Morte Star Empire out of the stellar periphery of the Lyran Federation. At the same time the 8 Lyran Star Bases must be protected from attack by morte ships. Comprehensive documentation for this Star Trek type game make it a good strategic simulation for those not interested in flashy graphics for effect.

**PC2319 CIVIL WAR BATTLE SET:** Easy to play, yet very addictive strategic war simulation based on the American Civil War. You can re-enact the famous battles of the war including Gettysburg, Shiloh, and Stones river. Play either side, and see if you can change the course of history in this well written simulation suitable for all ages interested in war games. You can save and recall games at any stage, and adjust factors such as difficulty and visibility. Also included is a scenario editor to allow you to set up more battles.

**PC2320 BASS MAP:** Companion program to the BASS TOUR (PC2308) and BASS CLASS (PC2662) which allows you to create your own lakes to fish on. It is a simple to use editor which allows the creation of an infinite variety of lakes, or simple changes to existing lakes. Includes a number of sample maps for use with the programs.

**PC2321 WW II:** Board type war game simulation. Your mission is to make a beach landing on the map, then move from the beach and capture the main enemy head quarters after securing the area. Alternatively you can mount an airborne attack on the enemy HQ using paratroopers. Three scenarios are provided, Sicily, Iwo Jima, and Normandy. Use infantry, engineers, artillery, paratroops, and armour to obtain your objective. You can also use aerial bombing as part of your campaign, but your total armament is limited, so you must decide which armaments to use wisely. You can save and restore games, and vary the level of difficulty. \*NEW\*

**PC2322 FIELD GENERAL:** Excellent American Pro football simulator. The plays, results, and statistics mirror those of actual pro football games. Field General's realistic play comprises nearly everything which can happen on a football field. By letting you call the plays the program creates an atmosphere where the players can experience the pressure and excitement of pro football. You must not only battle against the wits of the opponent, but you must also race against the clock. Game features include 60 offensive and 17 defensive plays, producing over 34,800 possible results, auto or manual play, real time game clock and play clock, two point conversion option, weather elements, optional sound, turnovers, penalties, and much more. Requires 512K RAM and a Hard Disk. \*NEW\*

**PC2323 BATTLE GROUND:** Two player tactical ground combat game typical of the mid 20th century. Employing various types of soldiers, weapons, and terrains, the object of the game is to defeat your opponent by destroying his platoon of soldiers. Each weapon available to both sides (USA and Germany) has its strengths and weaknesses, as does each type of soldier. A player can also utilise air strikes and artillery strikes, but must take into account their relative effects.

**PC2351 MASTER THE MARKET:** Fast moving stock market game for 1 to 10 players that closely simulates real market conditions. Players buy and sell from among 10 blue chip stocks to see who can accumulate the most wealth.

**PC2353 MEGAGOPOLY:** Great investment strategy game. You inherit \$100,000 and you must obtain financial independence. Test your investment and economic skills while having fun.



**PC2354 ACQUIRE:** Board type game for up to six players, although one person can play against the computer. The object of the game is to make as much money as possible. This is done by creating hotel chains, trading and selling shares in these hotels, and by acquiring minority and majority holdings in these hotels. At the end of the game, the person with the most money ■ declared the winner. Learn to wheel and deal in this thinking persons game.

**PC2601 EGA KLONDIKE SOLITAIRE:** Klondike, also known as Fascination and China-Man is one of the best known solitaire card games. This version takes full advantage of high resolution EGA graphics and sound and ■ intuitive and easy to use. This outstanding implementation of the classic solitaire game has received rave reviews in magazine and publications world wide. Includes support for mouse and can also be played from the keyboard. Includes three variations of the game and comprehensive on screen help. Requires EGA/VGA graphics system. \*NEW\*

**PC2602 EGA POKER SOLITAIRE:** Great implementation of a unique version of Solitaire also known as Poker Squares. You place cards one by one on a 5 by 5 grid, and score each row and column as a poker hand. Two variations of the game can be played, and both American and English scoring systems can be used. Program can be played with a mouse or from the keyboard. High resolution EGA graphics and sound add to the high quality of this game. Requires EGA/\*NEW\*

**PC2603 EGA MIRROR MAZE:** Intriguing game were you are a beam of light travelling through a grid. At each intersection of the grid lies a mirror, a gate, a pellet, or nothing. Your aim is to run over every power pellet ■ in the game grid before running out of time. Mirror Maze is a game of planning ahead. You must master the complex maze as well as seek the pellets. At the same time you must avoid the nasties in the form of three types of other light beams which differ in their ability to seek you out. 15 levels of maze are available to play, and you can jump between them using the hyperspace key, or by entering a black hole. Requires EGA/VGA graphics system. \*NEW\*

**PC2604 EGA BLACKJACK:** Accurate simulation of the game Blackjack as played in American and other casino. Splitting, doubling down, insurance and surrender are all supported. The thorough documentation, sophisticated practice drills and extensive statistics help the user reach any level of expertise. Features include four user defined casinos, automatic players, regular or tournament style play, support for US, European, Australian, and Caribbean style play, error tracking which gives post game report of strategy errors, and much more. Comprehensive documentation on disk includes a discussion of rules, basic strategy, card counting and betting strategy. Requires EGA/VGA graphics system. \*NEW\*

**PC2605 EGA MINDCUBE:** Mind boggling arcade strategy game. The object is to complete the 7 levels consisting of an intricate maze of blocks before losing all your men. Within the levels are 10 special blocks you must pick up before advancing to the next level. You must push the other blocks out of your way to allow you to reach the special blocks. However at the same time you must avoid the spy cameras, time limits, delay traps and other nasties in your way. At the end of each level you can purchase items ■ help you complete the next level. Requires EGA/VGA graphics system. \*NEW\*

**PC2606 EGA TRIBOLLO:** Three way Othello game which can be played from the keyboard or with a mouse. The object of the game ■ to have the majority of your colour squares on the board at the end of the game. The rules are quite simple, but unlike normal Othello were you play against a single opponent and the strategy is straight forward in this game you have two opponents, and the game board varies every time you play. Requires EGA/VGA graphics system. \*NEW\*

**PC2607 EGA LAS VEGAS CASINO:** Three casino based games in one. Blackjack, video poker, and a slot machine. Program uses impressive EGA graphics and supports Sound Blaster if available, or provides sound through the PC speaker. The blackjack program can deal cards from 1,2,4, or ■ decks. You can bet from \$1 to \$500, and specify a bankroll of up to \$10,000. For card counters the program allows you to check the status of the deck at any time using 2 popular card counting schemes. Video poker emulates the poker game found in many pubs and casinos were you play poker against the computer. The slot machine is a one coin one reel slot machine for you to lose money on. Requires EGA/VGA graphics system. \*NEW\*

**PC2608 EGA KENO:** Computerised version of the popular casino game keno complete with a cute female keno runner to place your bets. This program takes advantage of EGA graphics to provide an interesting screen display as well as emulate the keno game. You may choose up to 15 numbers from the 80 keno numbers, and the program calculates your winnings dependant on the number of numbers selected. Requires EGA/VGA graphics system. \*NEW\*

**PC2610 EGA SOLITAIRE:** Pyramid is a good solitaire game designed to take advantage of high resolution EGA graphics. Play against the computer, or against an opponent in tournament mode, or play standard solitaire. Crisp colourful graphics, cheerful sounds, and easy to use interface make this a great program. Supports mouse and keyboard. Requires EGA/VGA graphics system.

**PC2611 EGA MAH JONG:** Based on the ancient Chinese game whose origins are supposed to date back some 3000 years, this game has similarities to solitaire played with cards and also with dominoes since it is played with tiles. Uses high resolution colour graphics for great effect. Requires EGA/VGA graphics system.

**PC2612 EGA SUPERFLY:** Fast paced action game that requires strategic thinking to win. Chase and swat flies and other bugs through twenty different levels. Each level is a different challenge and you will find items along the way that will help or hurt your chances. The game has high resolution graphics and fast action even on slower machines. Includes three levels of difficulties, sound effects, hall of fame, and boss mode. Supports keyboard, mouse and joystick play. Requires EGA/VGA graphics system. \*NEW\*

**PC2613 EGA PUZZLERS:** Game for puzzle fans of all skill levels. It offers ten puzzle categories, with extensively varying degrees of difficulty. Each puzzle is composed of a square grid of tiles, and is manipulated by sliding the rows and columns of the grid. Unlike other puzzle type games, each row or column of the Puzzlers grid must be moved as a complete unit. There are two types of puzzle, "alphabet soup" type were the tiles are inscribed with a letter or number, or the more difficult type the "quilt" variety which must be combined to form a colourful quilt pattern. Requires 512K RAM and an EGA/VGA graphics system. \*NEW\*

**PC2614A EGA COLOURING BOOK DISK 1:** ECB ■ a computer colouring book. It allows children to use over 500 colours and patterns to colour full screen pictures. Children age 3 and up will enjoy bringing pictures to life with colour. ECB also teaches eye hand coordination and encourages artistic expression. ECB is very easy to use. It uses picture icons to identify the common commands. Will print to Epson compatible black and white as well as colour printers. Also to IBM Colour Jetprinter, Proprietary, HP LaserJet and HP PaintJet. Can be used from keyboard or mouse. Requires EGA/VGA graphics system. Requires PC2614B. \*NEW\*

**PC2614B EGA COLOURING BOOK DISK 2:** Second disk of the EGA Colouring Book program. contains necessary files for the program. Requires PC2614A. \*NEW\*

**PC2615 EGA CHINESE CHECKERS:** Great animated game based on the famous Chinese checkers. Two to six people can play or you can try ■ beat the computer. Realistic 3 dimensional effect makes the marbles appear ■ jump out of your screen. Marbles are represented by animated icons: a snapping red dragon, a green praying mantis, a light blue peacock, and cold, blowing blue wind. Can be played from the keyboard or with a mouse. Requires 640K RAM. Requires EGA/VGA graphics system. \*NEW\*

**PC2616 EGA ANTIC:** Game is a cross between Othello and Life. The object is to make the pattern a single colour using the fewest number of transformations. The Anti Chaos networks consist of squares connected to each other by directional lines. Each square is one of three colours, and sends its colour to neighbouring squares in the network. If only one colour comes into the square, it takes that colour. If two colours come in, they cancel and the square assumes the third colour. Each time you change a square, all squares in the pattern are recalculated and redrawn. Requires EGA/VGA graphics system and a mouse. \*NEW\*

**PC2617 EGA GOLDHUNT:** Arcade based adventure game. The object of the game is to reach all 10 levels of the adventure. Your man in blue is trying to pick up all the Green Gold pots on each level. There are 12 pots per screen. Once these 12 pots are taken, a special door will appear. reach that door and you will move onto the next level. Of course things are not as easy as that. There are various obstacles in your way including red devils and the purple floor sensors which are out to get you. Requires EGA/VGA graphics system. \*NEW\*

**PC2618 EGA BOMBAYWAY:** High resolution mouse supported "war" game in which two people fire artillery shells at each other over hills under a moonlit star filled sky. generous uses of random variables guarantees a unique battlefield every time you play. You can choose EGA or VGA screens, sound options, and even fine tune the game speed to your computer. Player's performances are ranked in a scoresheet file. Can be played with a mouse or keyboard. Requires EGA/VGA graphics system.\*NEW\*

**PC2619 EGA DRESS ME UP:** Imaginative paper doll game with a cute collection of animals to dress up. A girl and a boy may be picked from any of the four animals on the shelf to play with. There are blouses, skirts, slacks, hose, purses, jackets, shoes, hats, coats, shirts, sweaters, pants, and socks hidden behind the cabinet doors to choose from. In addition to the outfits, a water colour box will appear on screen and lets you paint the clothes or the animals themselves. The paint box includes polka dots, stripes, and a wild plaid. Requires EGA/VGA graphics system.\*NEW\*

**PC2620 EGA WHEEL OF FORTUNE:** Good version of the TV game show Wheel of Fortune for EGA systems. Utilises high resolution colour graphics to enhance game play this program allows one to three players to match their wits. Requires EGA/VGA graphics system.

**PC2621 EGA FANS:** Great graphics shoot up game for EGA systems. You control your ship as you travel through space and avoid the meteors and flapping fans. Shoot them with your lasers, and build up credits with which to obtain a Super Zapper to destroy them more effectively. Requires EGA/VGA graphics system.

**PC2623 EGA MASTERCODE:** Game based on the famous Mastermind game. A hidden code of coloured pegs is placed at the end of the playing board, and through a series of guesses and clues, the player deduces the code. Two versions are included within the program, Mastercode where the code consists of four coloured pegs selected from six to eight possible coloured pegs, and Supercode, where the code comprises five pegs from a possible eight. As you increase the number of rows and pegs, the harder the code becomes to break. Requires EGA/VGA graphics system.

**PC2624 EGA SANDIEGOPOLY:** Excellent high resolution board game loosely based on Monopoly but using San Diego as its basis. Automatically tracks the status of property and money, to keep everyone honest. Game can be saved and resumed easily, and the game play makes this a very addictive game for up to 8 human players, or any combination of human and computer players up to eight. EGA/VGA graphics system and Hard Disk required.

**PC2625 EGA SUPER MAXIT:** Interesting strategy board game. There are several board styles that the player can select. Each board consists of a series of raised tiles that contain either a positive or negative number. Using the left or right arrow keys the player moves to the desired number tile, then presses enter to select it. The players score is then increased or decreased by the value of the selected tile. The computer then moves vertically to select a tile. The game ends when either the player or the computer can not take a number tile. The player with the higher score at the end of the game wins. Requires EGA/VGA graphics system.

**PC2626 EGA AGGRESSION:** Aggression is a board game that combines some of the aspects of checkers and backgammon. The object is to get all of your pieces from their starting side to the opposite side before your opponent does. Each time you start Aggression or select "new game" the pieces will be placed on the board in one of five randomly selected patterns. Good strategy game with high resolution colour graphics. Requires EGA/VGA graphics systems.

**PC2627 EGA CHAIN REACTION:** Computer board game for one or two players. The idea is to fill the board with your pieces. Each square can contain as many pieces as there are sides surrounding that square, i.e. the corner squares can contain 2 pieces, the edge squares 3 pieces, and all others 4 pieces. When this number is exceeded the square will explode into the surrounding squares, taking them over if they are the other players and continuing to explode if the pieces:side ratio is exceeded. Requires EGA/VGA graphics system.

**PC2628 EGA RISK:** ZJZ RISK is a clone of the classic game of military strategy for 2 to 6 players. The object of the game is to eliminate your opponents by occupying every country on the board. The first player to do so wins the game and also conquers the world. Games can be saved and resumed at will and this addictive game can keep you enthralled for hours, or even days at a time. Requires EGA/VGA graphics system and 640K RAM.

**PC2629 EGA BATTLE FOR ATLANTIS:** The object of the game is to capture all eight islands which make up the atoll called Atlantis. You play the army known as the Olympians. The computer plays the other three opponents, the Calydonians, the Argonauts, and the Titans. The game is simple to learn, and offers different levels of play as you become more experienced. based on the classic game of RISK, many new elements have been added to make it interesting and different. Requires EGA/VGA graphics system.

**PC2630 EGA PACHISI:** Classic game of chase believed to be hundreds of years old is brought to your computer with impressive graphics for up to 4 players to enjoy. The objective of the game is to get all four of your pieces from the starting position to the finish position in the centre of the board. Each player begins on a different "arm" of the board, which looks like a cross. You roll the unique die to determine your move. Detailed instructions are included on the disk. Requires EGA/VGA graphics system.

**PC2632 EGA REFLEX:** Reflex is an arcade game using joystick or keyboard. The object of the game is to obtain as many points as possible without exhausting all of your worms. You can manoeuvre your worm horizontally, vertically and diagonally. It is also permissible to travel off the playing field. Once the game begins your worm will travel in the direction you select, and leaves behind a worm trail. You must avoid it and the various objects that come in your path that are dangerous to you, however to obtain points and lives you must land on the objects which you need. Your reflexes are brought into play as you must quickly and accurately decide which objects to avoid, and which to collide with. Requires EGA/VGA graphics system.

**PC2633 EGA CAPTAIN KEEN VOL 1:** Epic real time arcade style adventure games with exceptional graphics. You play the role of Billy Blaze, searching through the universe for parts to fix your spaceship. This program has received rave reviews overseas, and is one of the best arcade style games available for the PC according to many reviewers. Can be played with joystick or keyboard, program features save and restore, multiple levels of play, and very smooth screen scrolling and updating. Requires 640K RAM and EGA/VGA graphics system.

**PC2634 EGA DARK AGES VOL 1:** Arcade adventure game which takes advantage of EGA and VGA graphics systems, and also supports the Ad Lib and Sound Blaster music cards. In the game you are the Prince of the Great Kingdom, who as a child watched your father die at the hands of Garth, a power mad warlord. However you have been raised by an old warrior, and the time has come to regain your heritage, and free the Great Kingdom from the dark age of Garth. Requires AT or 386 computer and EGA/VGA graphics system.

**PC2635 EGA PICTURE PUZZLE:** Not just another puzzle program. It has many features not found in other puzzle programs. You can select the size of the puzzle grid, from 4 to 1400 pieces, save the puzzle, view the picture in a help window, remove the grid while the puzzle is being built, change the grid and crosshairs at any time, and much more. Menu driven at all times, this program provides a challenging puzzle to players of all age. Includes 3 sample files, and can use any GIF or PCX file as a puzzle. Requires EGA/VGA graphics system and Microsoft compatible mouse.

**PC2636 EGA LAST HALF OF DARKNESS:** Menu driven adventure game with extremely impressive graphics suitable for all ages. In this adventure your aunt, a powerful witch, was working on a potion just before she was killed. To inherit her estate you must complete the potion. To do this you must search through the ghostly mansion in which she lived looking for clues to the secret potion's ingredients. However during your search strange forces will try to prevent you from finding the ingredients and producing the secret potion. Program uses high resolution graphics and great sound effects to make for a very exciting game. Takes advantage of COVOX speech thing for realistic speech if available, or can use the PC speaker for scary sound effects. Can use keyboard or mouse to move around. Requires EGA or VGA graphics system, 512K RAM, and a Hard Disk.

**PC2637 EGA GUNN GAMES 3:** Three great games from Christopher Gunn suitable for EGA and VGA systems. In CLEANUP you must clean up the gold stars without hitting a barrier or your own trail. It takes strategy and skill to avoid blocking your own path. In Duelling Dragons you must wrap your dragon around the opposing dragon so it can't move long enough to be declared the winner. You also must avoid getting wrapped up in your own tail. In TRIAXIS you are on an island composed of hexagonal bio zones with different terrain. Survival depends on how well you use the environment and control your population. This challenging game is for 2 to 6 players, and the computer can also play. Game play is sort of a cross between Chinese Checkers and regular checkers. Requires EGA/VGA graphics system.\*NEW\*

**PC2638 EGA GUNN GAMES 4:** Three more great games from Christopher Gunn suitable for EGA and VGA systems. **CIRCLE LINK** is a wild colourful game where you must move your marbles by rotating the links. Each link has an opening on one side which has to match the opening in a link to the left, right, or below. There is a lot of strategy required to solve the puzzle. **Spider Web** is a crazy exercise in which you must spin a web to catch all of the flies before they over populate. Can use keyboard, mouse, or joystick. In **VORTEX** the object is to succeed in trapping as many of the tornadoes as possible. Each tornado picks up and drops blocks at random. Requires EGA/VGA graphics system. \*NEW\*

**PC2639 EGA GUNN GAMES 5:** Three more great games from Christopher Gunn suitable for EGA and VGA systems. **HOWTO** is a build it game. you must collect all of the robot part boxes in the 10 storey building and take them to the laboratory for assembly. You have to watch your battery supply. If you don't have enough batteries to run the elevator and lifts, you can get stranded. Look out for the berserk stock clerk robot. **RODRONES** is a challenging game in which you must think in three dimensions to succeed. You must position your Robot Drones close enough to the intruders in your space sector to destroy them when they are "fired". **SPINWALL** is a colourful maze game where you are a ghost who can walk through walls matching the colours of the magic keys you can collect. It takes some strategy and luck to build your score up to the top level. Requires EGA/VGA graphics system. \*NEW\*

**PC2640 EGA PALLANDA:** Fun game for all ages from little kids to adults. The object of the game is to land in the winner's circle by moving to the closest colour shown on the spinner. It sounds simple. However the nearest matching colour is often in the wrong direction and sometimes you must choose between squares that are the same distance away. There are some hidden surprises along the way with pictures you can watch being drawn. Requires EGA/VGA graphics system. \*NEW\*

**PC2641 EGA DUKE NUKUM VOL 1:** An incredible game with large animated characters, and huge levels. Your mission is to stop Dr. Proton, a madman bent on ruling the world with his army of Techbots. As the irrepressible hero Duke Nukum, you'll chase Dr. Proton deep into the earth. Program features amazing graphics, huge 3-D backdrops, and great sound effects. Supports joy stick or keyboard use, save and restore and much more! Requires 640K RAM Hard Disk and EGA/VGA graphics system.

**PC2642 EGA PAGANITZU VOL 1:** Journey into an Aztec pyramid and survive the adventure of a lifetime in this action packed puzzle oriented arcade adventure game. You must guide your character, Alabama Smith into a vast and dangerous Aztec pyramid. This is a genuine adventure, not just a series of levels to conquer. You can follow different routes to achieve the winning goal. Can be played with keyboard or joystick. Requires 640K RAM Hard Disk and EGA/VGA graphics system.

**PC2643 EGA CRYSTAL CAVES VOL 1:** Enter an underground world of treasures and traps in this colourful arcade quality game. Program features great graphics, puzzles, as you Mylo Steamwitz enter cave after cave gathering the treasures of each while evading hazards galore. Great use of scrolling screens and high resolution graphics to make this a great game to play. Described as a mixture of Mario Brothers, Commander Keen, and Indiana Jones this game can be played from the keyboard, or with a joystick. Requires 640K RAM Hard Disk and EGA/VGA graphics system.

**PC2644A GOODBYE GALAXY DISK 1:** Mind boggling sequel to Commander Keen Invasion of the Vorticons. You must rocket off to the far ends of the Milky Way to rescue the keepers of the Oracle, who are the only ones who can help you in your quest against the Shikadi who aim to destroy the Milky Way. This game has astounding graphics and sound. Supports the AdLib and SoundBlaster card if available, or will use the PC speaker for realistic sound effects. Also the high resolution graphics must be seen to be believed. Requires 640K RAM Hard Disk and EGA/VGA graphics system. Requires PC2644B.

**PC2644B GOODBYE GALAXY DISK 2:** Second disk of the Goodbye Galaxy game from Apogee. Contains essential files. Requires PC2644A.

**PC2645 EGA BOLO ADVENTURES:** Game that tests your problem solving skills using high resolution graphics to keep your interest high. The game consists of 40 floors or puzzles you must solve. On each floor you have a man, BOLO, who tries to find his way to the stairs, which will take him to the next level. The stairs are always protected by either monsters, lasers, snakes, blocks, balls, electric grills, water, or some other impediment. Each floor has at least one solution to free Bolo from its confines. Some floors have many solutions, others only one. This program will tune your problem solving skills whilst keeping you amused for hours on end. Requires EGA/VGA graphics system. \*NEW\*

**PC2646 EGA QUESTMAKER:** Program allows you to create your own adventure games using the Questmaker editors in conjunction with a graphics editor that produces PCX format graphics files. Questmaker is the first integrated graphics based adventure game tool of its kind. It uses EGA 640 x 200 16 colour resolution graphics, and is packed full of functions. No programming experience is required to produce great games. Requires EGA/VGA graphics system and a hard disk. \*NEW\*

**PC2647 EGA SECRET AGENT VOL 1:** Apogee present another great graphics arcade game to provide hours of interest to serious game players. You play the part of secret agent 006, and must rescue the plans for a top secret government project. To do this you must infiltrate the enemies sophisticated security system, bypass dozens of traps avoid or overcome the guards, and find the missing plans. As expected of games from Apogee, this too has spectacular graphics, and very absorbing game play for all ages. Requires EGA/VGA graphics, 640K RAM, and a hard drive. \*NEW\*

**PC2648A COSMO'S COSMIC ADVENTURE DISK 1:** Yet another great game from APOGEE in Texas. In this game Cosmo's parents are taking him to a special place in the Milky way that all children enjoy. Suddenly a blazing comet zooms towards their ship on a collision course with no time to get out of the way. They are forced to make an emergency landing on an uncharted planet, and while dad undertakes repairs Cosmo heads off to explore the planet, and when he returns finds his parents have been kidnapped. The adventures begin as he tries to find them. This program has spectacular full screen dual scrolling graphics, AdLib music support, and is great fun for game players of all ages. Requires EGA/VGA graphics and a hard drive. Requires PC2648B. \*NEW\*

**PC2648B COSMO'S COSMIC ADVENTURE DISK 2:** Second disk of the great Cosmo's Cosmic Adventure game set from Apogee. Requires PC2648A. \*NEW\*

**PC2649 EGA WORD RESCUE VOL 1:** Apogee enters the educational arena with a program that teaches spelling, logic, word meanings and reading. yet is as compelling to play as their other great games. Benny Bookworm needs your help to stop the Gruzzles from stealing the words from all the books, and to help reunite the words with their meanings. Aimed at children 5 to 10 years of age, this program will make learning fun, and with its excellent graphics and play, will even keep adults amused for hours on end. Requires EGA/VGA graphics, 640K RAM, and a hard drive. \*NEW\*

**PC2650 EGA TREK:** Excellent Star Trek game designed specifically for those with an EGA monitor. Takes full advantage of the great graphics capabilities of an EGA system as well as great game play. Requires EGA/VGA graphics system.

**PC2651 EGA AIR TRAFFIC CONTROLLER:** Air traffic controller simulator for EGA systems. The game is based upon Chicago's Midway Airport. You are presented with a computer enhanced radar screen. Takes advantage of the graphics of your EGA system to provide a high quality simulation. Requires EGA video card and monitor.

**PC2652 EGA SPACE FLEES:** Good EGA quality arcade space shoot em up suitable for EGA for VGA systems. The aim of the game is simple, shoot down as many space flees as possible before they get you. Requires EGA card and monitor.

**PC2653 EGA CONQUER:** War game in which you battle the computer on a number of fronts in an attempt to take over the world. The computer plays for the Soviet Block, the Common Market, and the OPEC Nations. You must place your armies so as to expand your borders and prevent the enemy from over running your territory. Requires EGA/VGA graphics system.

**PC2654 EGA SEA BATTLE:** EGA version of the old sea battle game. You control the gun at the bottom of the screen which you can move by keyboard or joy-stick. Your goal is to shoot as many ships as possible before the shark gets you. Simple yet very addictive. Suitable for all ages. Requires EGA/VGA graphics system.

**PC2655 EGA SNARF:** Video arcade type game for EGA systems. You have to run around through various mazes picking up treasures whilst avoiding the Snarfs. Use your weapons to ward off the angry Snarfs as they try to destroy you. Use of high resolution EGA graphics makes this very playable for all ages. Requires EGA/VGA graphics system.

**PC2656 EGA SLITHER:** Good graphics arcade style game for EGA systems. You are the poor snake, captured by a mad college student and injected with his experimental super growth potion. You escape, but need food. Luckily lots of delectable, over fed lab rats are available, but you must catch them. However when you eat them the drug in your system reacts and the rat bones become dangerous. You need great eye hand co-ordination to survive. Requires EGA/VGA graphics system.



**PC2657 EGA ROBOAMZE III VOL 1:** Excellent EGA version of the sequel to the popular Robomaze II game. This is a unique blend of arcade and adventure game with exceptional graphics and great game play. You control the Stalker robot as you seek out keys, weapons, and equipment. A tyrannical dictator and his evil robots try to stop you any way they can. Requires EGA/VGA graphics system, and 286 AT or faster computer. \*NEW\*

**PC2658 EGA STAR DEFENSE:** Excellent arcade game based on the missile command program. Program uses high quality digitised voice and sound effects that play through the PC's speaker. The object is to protect your missile silos from enemy bombs. There are five levels of action, each a bit more difficult than the last. Requires 286 or 386 system with EGA or VGA graphics.

**PC2659 EGA PACMAN:** Full colour graphics version of the old famous PACMAN game. Use your keyboard keys to get away from the gobblers, until you munch an energy dot when the tables are turned and you can eat them. Requires 286 or 386 system with EGA or VGA graphics.

**PC2660 EGA CAPTAIN COMIC:** Excellent arcade game for those with EGA system. You are Captain Comic, galactic hero. Your mission is to recover 3 treasures from the planet OMSOC, which have been stolen and hidden somewhere on the remote planet of Tambri. Great graphics and game play. Requires EGA/VGA graphics system.

**PC2661 EGA CUNNING FOOTBALL:** Dynamic, interactive menu driven football game for EGA systems. Simulates a real American football game as closely as possible. Can be controlled by keyboard, joystick, or mouse. Requires EGA/VGA graphics system.

**PC2662 EGA BASS CLASS:** Fishing game which also acts as a tutorial on bass fishing. The game has three skill levels from which to choose, and a full range of help is available at the touch of a key. You are in control of a modern fully rigged bass boat. You have available six different fishing rods, over 2300 lure/colour combinations, a nifty LCD depth finder, a trolling motor, and lots of other accessories. The object of the game is to catch fish, but it's not as simple as it seems. Requires EGA/VGA graphics system and 512K RAM.

**PC2663 EGA CADDYHACK:** Golf game based on reaction time. Choose club, power and aim. Excellent high resolution graphics and 5 levels of difficulty provide for a great game of golf on your PC. You can even select the type of trees on the green. Provides both an overhead view of the course, and a from the ball view. Does the score handling and even gives handicaps. Even has an auto caddy to provide suggestions of the appropriate club. Requires EGA/VGA graphics system. PC2084 CGA CADDYHACK is suitable for those with lower resolution systems.

**PC2700 VGA WHEEL:** Excellent simulation of the famous Wheel of Fortune game seen on TV. This version includes 1000 puzzles and takes advantage of the high resolution available on EGA systems to provide impressive graphics to facilitate the game play. Includes an editor to add or edit the puzzles included with the game. Requires VGA graphics system. \*NEW\*

**PC2701 VGA GRAVITY WARS:** Two player game (or one player if they want to play against themselves) which uses high resolution VGA graphics to great effect. The players choose ships and try to shoot each other down by specifying angles and initial velocities for the missiles. Missiles move under the influence of the gravitational fields of the various planets in the Gravity Wars universe. Also you must watch out for the black holes. The game is menu driven throughout. Includes source code in Turbo Pascal. Requires VGA graphics system. \*NEW\*

**PC2702 VGA BLUEBALLS:** Intriguing arcade type game. The object of the game is to advance through the increasingly difficult levels by destroying all the blue balls which pop up on each screen. Extra lives are awarded every five levels. Running into the walls, the trail of multi coloured balls, or the black balls will end a life. You can set the initial speed, the starting level, the number of lives, the CPU speed, and if you really want a built in cheat mode to make the game easy. Requires VGA graphics system. \*NEW\*

**PC2703A VGA WOLFENSTEIN 3D DISK 1:** Amazing new graphics arcade game where you must escape from the Castle Wolfenstein where you are being held by your Nazi captors. This program has a fantastic 3D effect, excellent graphics, supports keyboard, joy stick and mouse. If you have a SoundBlaster of AdLib card you can enjoy spectacular sound and music. This game has taken the world by storm since its release in May 1992. Probably the most successful shareware program ever. Requires VGA graphics 640K RAM and hard drive. Requires PC2703B. \*NEW\*

**PC2703B VGA WOLFENSTEIN 3D DISK 2:** Second disk of the amazing new Wolfenstein 3D program. Requires PC2703A. \*NEW\*

**PC2710 VGA HONG KONG MAHJONG:** Excellent high resolution Mahjong game designed specifically for VGA system. This program is based on the Hong Kong variation of the Mahjong game. It includes comprehensive instructions which utilise the high resolution to teach the basics of the game. Requires VGA graphics system.

**PC2711 VGA OTHELLO:** IAGO is a game based on the famous Othello game. The object of the game is to have the majority of your colour squares on the board at the end of the game. A move consists of outflanking your opponents squares by putting your pieces so that your colour is on either side or diagonally of your opponents squares. Requires VGA graphics system.

**PC2712 VGA JIGSAW:** Jigsaw game in 256 colours for VGA systems. Puzzle can have from 16 to 64 pieces. Can be operated by keyboard, mouse, or joy stick, and its easy to use menu system makes it suitable for young and old. Three puzzles are included on disk, and if you register you receive a program that allows you to use PCX and GIF files with the program. Requires VGA graphics system and AT or 386 computer.

**PC2713 VGA ROULETTE:** Game program that emulates the famous casino game of roulette. Use your mouse to select the bets you want to make, and sit back and watch the high resolution game play the famous game of chance. You may place up to 20 bets on the board at any one time. The computer calculates your pay off, or your losses as the case may be. Requires VGA graphics system and Microsoft compatible mouse.

**PC2714 VGA PEG SOLITAIRE:** This program has three variations of the Dr I.Q. Jump game. Peg Solitaire is played on a playing board shaped in the form of a plus sign, consisting of 33 holes 32 of which are filled with pegs. The centre hole is left empty. The object is to remove all the pegs from the board except one. This is done by jumping one peg at a time. The other variations include a colour peg game where colours play an integral part in the game, and more. Requires VGA graphics system.

**PC2720 VGA ROBOTS FROM HELL:** Deep beneath the surface of a small planetoid live the killer robots from hell. As the game begins the robots are diligently attempting to prevent you from converting oxygen to carbon dioxide. Your mission is to reach the Gate without being captured by robots or being killed by hazards. Game gets harder as you progress. Interesting mix of arcade action and strategy with excellent graphics. Requires VGA graphics system.

**PC2721 VGA ARMY:** Excellent strategy board game for two players. The object of the game is to defeat the opposing captain while protecting your captain from attack. There are four kinds of pieces, a board with various kinds of terrain, and two rafts which can be used to cross the lake. Requires VGA graphics system and mouse.

**PC2722 VGA BANANOID:** Excellent high resolution break out game for VGA system. Seven levels of play as you try to break out and avoid the various obstacles using your mouse. Challenging play and great graphics make this great fun for all ages. Requires VGA graphics system, AT or compatible computer, and mouse.

**PC2723 VGA BEYOND COLUMNS:** Addictive game similar to the game TETRIS. You control columns as they move down the screen. Each column is composed of three different blocks and you make the columns dissolve by getting three blocks of the same colour or design in a row vertically, horizontally, or diagonally. Requires VGA graphics system.

**PC2724 VGA CATCHEM:** Object of the game is to catch all the falling pieces except the stoppers. Stoppers will be identified if they are included in the screen. Contagious game which increases in difficulty as you play. Requires VGA graphics system and mouse.

**PC2725 VGA SHOOTING GALLERY:** This program is an attempt to recreate a shooting range on a computer screen. The result is a terrific shooting game with several different challenges. Play the game and become the fastest mouse in the west. Use your mouse to aim and shoot the various targets as they whiz by. Requires VGA graphics system and mouse.

**PC3000 INTEGRITY MASTER:** Complete and easy to use data integrity and virus detection and removal program. Integrity Master is the easy way to defeat viruses and get the extra benefits of PC security, change control, and disk problem detection. If there is a change anywhere on your disk, no matter what the cause, Integrity Master will track it down, identify it, and then its built in Integrity Advisor will explain what to do. Known viruses are identified. Integrity Master does not require periodic updates as other virus programs do to keep up with the latest viruses. Provides easy to use menus, with context sensitive help available at the press of a button. Useful tool for all PC users. Requires Hard Disk.

**PC3001 PC CANARY:** Interesting "passive" virus detection program. This program is designed to detect changes due to viruses on your system. It does not scan for virus signatures like many other programs, but rather makes itself a target for virus invasion, and warns you if any changes have occurred. It does not use any memory, and is a good extra precaution to add to your virus control procedures.

**PC3050A MULTI USER/TASKING SYSTEM DISK 1: VMDX386,** the latest version of the VMDX family will work on any processor from 8088 and 8086, to 80286 and 80386 chips. Enhanced to take advantage of protected mode in the 80286 and 80386 chip, this program provides an excellent multi user system, allowing you to add dumb serial ports to your PC and run programs on them, as well as multitasking. Requires PC3050B.

**PC3050B MULTI USER/TASKING SYSTEM DISK ■ Second** disk of VMDX386 program. Includes comprehensive documentation on disk. Requires PC3050A.

**PC3051A BACK AND FORTH DISK 1:** Back and Forth is a versatile program management tool that allows you to load up to 20 programs at once and instantly switch between them. Now you can switch between your word processor, spreadsheets, databases, and utilities at will without having to wait. This eliminates the need to exit one program to open and use another. Each program can be provided with as much memory as needed, whilst Back and Forth only occupies 18K of RAM. Allows you to cut and paste data between application, to use a mouse or keyboard commands, use expanded and extended memory, as well as hard disk space for swapping. Requires PC3051B.

**PC3051B BACK AND FORTH DISK 2:** Second disk of the Back and Forth program set. Contains necessary documentation and files. Requires PC3051A.

**PC3061 ACTAEON HARD DISK MANAGER:** Hard disk manager with a point and shoot interface to DOS. In addition to most of the standard DOS commands ActaeOn has many features including graphical representation of directory tree, find file or find string within a file, mouse support with scroll bar, full context sensitive help, a full featured text editor, multiple file copy, move, and delete commands, 43/50 line support for EGA/VGA, and the ability to add your own commands. Easy to use intuitive menu structure makes this program useful for all who want better control of their hard disk.

**PC3062 MENU-EZX:** Easy to use hard disk menu system. Designed for novice users, this program will allow you to easily produce a menu driven environment for your PC. 100 menu items are available, with either direct entry to the program, or the option to enter optional parameters to the program. Requires only 4K of RAM to operate, leaving plenty of RAM for all your applications. Includes password protection, internal full screen editor, and screen blanking.

**PC3065 FREEPACK:** Collection of six programs that will provide you with all the tools needed to better manage your PC's hard disk. Included in the program is a menu program, a hard disk manager, a program to compare two files, an intelligent file copier, a program that will allow the user to view an ASCII file, and a program that will locate files anywhere on the hard disk. The hard disk manager allows you to easily see what is on your hard disk, and allow you to copy, delete, execute, move, print, rename, or view any file displayed on the screen. You can easily move between directories, and much more. All the utilities can be integrated and run from a single menu.

**PC3069A MENU DIRECT GOLD DISK 1:** This program was previously the Point & Shoot Hard Disk Manager. Nominated for one of BYTE's best product awards at Spring COMDEX 1991. Outstanding file, directory, and program manager. Features unlimited user menu entries with single keystroke execution of programs, split screen file list and directory tree, copy, delete, edit, find, print and view single or tagged files. Delete, make, rename, hide and print directories. Undelete files and directories. Instant DOS access, user defined program colours, floppy disk formatting, and mouse support. Pull down menus, hypertext help system, password protection, usage logging and a host of other features make this an excellent DOS shell and menuing program for all users. Requires PC3069B. \*NEW\*

**PC3069B MENU DIRECT GOLD DISK 2:** Second disk of the powerful DOS shell and menu program. Contains files necessary for the installation and running of the program. Requires PC3069A. \*NEW\*

**PC3071 EQUAL PARTNERS:** Excellent software solution to the problem of sharing data between 5 1/4 inch floppy based PCs and the new IBM PS/2, laptops, and other machines using 3 1/2 inch floppy disks, or transferring files between two PCs without transferring media. Equal Partners addresses the problem by using inexpensive RS-232 serial adapters and software device drivers and communication programs which allow one PC to use the physical devices of another PC just as any normal device.

**PC3073 ZIP FILE TRANSFER UTILITY:** ZIP is a tiny, fast utility to transfer files between two IBM compatible computers over an ordinary serial cable connection. This is especially useful when the computers don't share a common disk size or format. Allows you to transfer files at up to 115200 baud, or 14 K per second. Requires serial null modem cable to attach between the two machines, and a copy of ZIP for both machines. Allows you to view disk directories on both machines so as to select the files you wish to transfer. The program does full CRC verifications on the data as it is being transmitted to guarantee accurate transfer.

**PC3074 XPORT FILE TRANSFER:** Reliable, easy to use file transfer utility that uses the serial ports of the PC. Useful for transferring files between machines with dissimilar disk drives, or for transferring large volumes of files. Runs at high speed, limited only by your PC's disk access speed. Easy set up of the serial port parameters make it ideal for all levels of users. Select from COM1 to COM4, and includes details on how to assemble your own cable for connecting your PCs. Simple setup procedure. Includes a program to copy the XPORT program from one machine to another so you do not need the program disk for both machines.

**PC3080 QUIKMENU:** Graphical menu system that allows you to use your computer more quickly, easily, and more intuitively. Complete DOS commands are replaced by easy to use command buttons, pop up windows and dialogue boxes. Running programs is as easy as pressing a key or clicking the mouse. Other features include network compatibility, passwords, time tracking, text viewer, free form layout, multiple menu pages, on line help, and more. Uses only 4K of RAM. Directly supports CGA, EGA, and VGA graphics systems. Does not support Hercules monochrome system. \*NEW\*

**PC3083A INCONTEXT DISK 1:** The InContext Work Environment Manager improves your personal productivity by helping you organise, manage, and execute the work you do on your computer. No mere DOS shell, InContext is based on the principles of human work. InContext organises your computer around your work habits, rather than the other way around. On top of a unique, object oriented DOS shell, InContext provides well integrated task planning and calendar management. It is easy to use with mouse or keyboard. Its basic capabilities are readily usable by novices, but it provides a level of control and sophistication that will please the expert. It includes an extensive hypertext based help system and on line tutorial. Requires 512K RAM and a Hard Disk. Requires PC3083B.

**PC3083B INCONTEXT DISK ■ Second** disk of the InContext Work Environment Manager. Contains essential program files necessary for the program. Requires PC3083A.

**PC3085 3D MENU PLUS:** User friendly and visually pleasing menu creation system with an easy to understand intuitive interface that guides you easily through the creation of your own personalised menu. Program created batch files to run applications, and allows you to add pop up help screens to menu choices. Also has a built in DOS utilities menu and an optional screen save utility. Offers full mouse support, read only security on menu options to prevent unauthorised change, and more. \*NEW\*

**PC3086 QFILER:** Program designed to make management of your hard disk files much easier. Two different sorted directories are displayed side by side on screen. With QFILER you can copy and delete files, find a file on any drive or directory, rename files and directories, view the contents of files, move files from one directory to another, add and delete subdirectories, run other programs from within QFILER, display files in sorted order, define a file mask to display only certain files, backup files, and print copies of sorted directories. Also offers a number of advanced features like changing file attributes, changing file time and date, using file compression utilities, and more. **\*NEW\***

**PC3090 STACKKEY:** Utility program that automatically places keystrokes in your keyboard buffer. It is intended for use in connection with batch files. Allows you to set up powerful batch programs quickly and easily. You can stack and function key, or legal ALT key combination, as well as standard keyboard entries. Stackkey also has a utilities mode which allows you to replace lots of little utilities that switch monitors or ports, restore or change the cursor, or even reboot the system. Includes comprehensive documentation on disk.

**PC3092 MICROMACRO BAT UTILITY:** Utility designed to add spice to your batch files, and make life easier for the user. By calling the program from within batch files with the required parameters you can perform a number of functions quickly and easily. Clear the screen to any colour, fill the screen with any character, scroll areas of the screen, print on screen vertical, draw boxes, clear or stuff characters into the keyboard buffer, make a sound and much more by just adding this small file to your batchfile.

**PC3093 POWERBATCH:** Add speed and security to your batch files. Contains more than 40 additional functions to extend the capabilities of batch files. Create professional screen displays with boxes, colours, direct cursor positioning, and fast screen writes. Access system information such as date, time, disk space, path and drive information, and others from within batch files, execute DOS functions with parameters, external programs, and much more. Produces compiled .EXE files for speed and security.

**PC3094A 4DOS DISK 1:** A true DOS shell (via COMSPEC) that improves almost all of the DOS commands and adds 35 more. It is completely debugged and the experienced user will take to it well. Has a full 120 page manual on disk, and on line help. Notable features are the allowance for 40 character descriptions on files, more flexible wildcards, multiple commands per line, powerful conditional commands, keystroke stacking. Allows for alias commands, command line editing, an enhanced DIR command, and much more. If you have EMS, XMS or a hard disk, most of the system can be swapped out and you can, in some circumstances, run bigger programs than you could without 4DOS. Is compatible with Windows, Desqview, DOS 5.0, and Novell. Not designed for the inexperienced user, but for the experienced user, this is a godsend. **Requires PC3094A.**

**PC3094B 4DOS DISK 2:** Second disk of the great 4DOS utility program, winner of the best utility and people choice award at the 1992 Shareware Industry awards. **Requires PC3094A.**

**PC3102 PROGRAM WIZARD:** Menu program for both hard disk and floppy disk users which allows single keystroke entry to programs. Also includes an on screen clock and screen saver that turns off your screen if the keyboard is idle for more than three minutes.

**PC3105 GALLERY:** Unique DOS menu system and file manager that employs a graphical interface. You can easily create your own menu, selecting an icon for your application from the library of pre drawn icons. Also the file manager uses friendly and easy to understand icons to make DOS friendlier. Excellent for DOS newcomers, and experienced users alike, and will even work on most networks.

**PC3106 MICKEY MENU:** Quick, easy, mouse driven system for accessing Up to 500 applications on your PC. This program lacks many bells and whistles, but it is fast and efficient, and allows you to select programs using your mouse.

**PC3112 BOOT CONFIGURATION UTILITY:** Program designed to ease the process of booting the computer in different configurations. Enables you to choose from up to 255 different boot up configurations, i.e. AUTOEXEC.BAT and CONFIG.SYS combinations. Useful for selecting the ideal environment for running various programs, especially memory hungry packages and TSRs.

**PC3113 EASY ACCESS MENU SYSTEM:** Simple to use yet powerful hard disk menu management program. Features include simple set-up and maintenance, user defined colours and headings, sixteen options per menu with unlimited sub-menus, usage logging with user log-on, no memory overhead when in your application programs, screen saver, calendar and reminder subsystem, point and shoot capability, and mouse support.

**PC3114 WYNDShell MENU SYSTEM:** Menu program useful for organising your hard disk. It can be used to create Menu Options to run ■ the programs contained on your computer. Any number of menus and submenus can be set up, each of which is capable of containing up ■ 26 options or submenus of its own. Each option calls a specific software application on your hard disk, according to how you chooses to define your menus. Also the program includes WYND-DOS, a utility which allows you to perform functions such as formatting disks, copying and deleting files, and creating subdirectories, all from a friendly environment, without having to type commands at a DOS prompt.

**P3115 MARX MENU SYSTEM:** More than just a simple menu system, this is a complete menu programming language and job control language. It gives you total freedom to do whatever you want. However this is not designed for the novice, but the more advanced user. You can set up almost any feature desirable using the rich language provided by the system. Comprehensive documentation on the disk helps you learn the program. The program uses no RAM memory, is versatile and allows you to paint the screen any way you like, ■ network ready, includes built in screen blanking and much more.

**PC3123 BOOT.SYS:** BOOT.SYS makes it possible to display one or more menus at boot up time and to have different parts of CONFIG.SYS and/or AUTOEXEC.BAT executed depending on which menu option you have selected. Program features easy installation, up to nine options per menu, and a freely definable prompt area at the top of the screen, up to 25 consecutive menus, each defining a different aspect of your system configuration, up to 25 levels of nested menus, user definable time out and default options for each menu, and much more while using less than 200 bytes of resident RAM.

**PC3126 VMS40 EMS EMULATOR:** Device driver that makes either a hard disk or floppy disk into LIM4 expanded memory. It is a software emulation of the 28 function standard set forth in the Lotus/Intel/Microsoft Expanded Memory Standard (LIM/EMS) version 4.0. All of the EMS 4.0 functions that can be implemented through software are provided, with the exception of the DMA functions in the Alternative Map Register Set function. Allows you to set up up to 240K for LIM memory, while the registered version allows up to 32M of memory to be set up as LIM memory. Australian program.

**PC3127 BLANK-IT SCREEN SAVER:** Memory resident screen saver program that has several features that make it stand well above all other screen savers, commercial or shareware. Blank It will blank out the computer display after a certain timeout so that the computer screen won't become burned in. Valid timeouts can be specified from 1 to 59 minutes. As long as the keys are being pressed, or mouse is being used, the screen will remain on. Once the timeout period is exceeded since the last key is pressed the screen will blank. When you press the space bar, the screen will reappear. Blank It differs from others in that it discards the key that is pressed to reactivate the screen so that it will not interfere with the program functioning. Also you can press a hot key at any time and blank the screen, or disable Blank It using another hot key combination. Also Blank It does not interfere with background tasks such as high speed communications. Finally blank It only takes up 528 bytes of memory, less than 1K with all its functionality.

**PC3133 MENU MASTER:** Program allows any computer user to create customised menus that can be a "control centre" for running application programs and frequently used DOS routines. Applications can be run at the touch of a key. Program allows you to easily set menu options from the program, with up to 24 menu items, which can be chained to provide an almost limitless choice of menu items. Screen colours and prompts can be customised easily, as can optional on screen user notes. Optional time and date display, and a clock that chimes on the hour are also available as is password protection and automatic screen blanking after three minutes of inactivity.

**PC3145 ON CALL TSR MANAGER:** Program allows you to greatly expand your access to memory resident TSR software, as well as enhance the capabilities of most other applications. Allows you to load a number of memory resident programs and choose which one is to be loaded to memory at any one time. Those not in use at a particular time are stored to disk or expanded memory if available.

**PC3146 WORKTSR TSR MANAGER:** Collection of useful utilities for managing Terminate and Stay Resident programs. Includes FREEMEM to show memory availability, SHOWTSRS to show which TSRs are loaded, and where in memory they reside, MARK to control where in memory TSRs reside, and UNMARK to free up space held for TSRs. All programs include ASSEMBLER source code. Designed for the advanced PC user.



**PC3148 TSR UTILITIES:** Excellent collection of Terminate and Stay Resident utilities designed by an Australian author. Programs include Alarm which provides a method for sounding an alarm through the speaker at a set time. ASCII provides a number of tables including ASCII table, shift mask table, box character table, and an extended key table. CAPS that displays on screen the status of the CAPS LOCK key. Clock to display the time on screen. KEYCLICK, KEYINFO, PRN2FILE allows you to send printer output to a disk file. RAMVIEW to view the contents of RAM on screen. Screen capture and Screen Save, Slow Down and many more. Also included is RESHELP a memory resident help system which provides information on all the TSR programs, as well as providing a comprehensive resident help on Assembly Language use.

**PC3159 FINDUPE:** Program reads the directories of your disks, and print the results either on screen or to your printer. It will give you a list of all files, sorted by file name, date, time, size, and directory they are in. It will also tell you if the file is read only, hidden, system or sub directory. It will also give you a list of all duplicate named files on your disk, with the same information above. It will also give you a sorted tree directory of the files on your disk as well.

**PC3160 VISIONARY UTILITIES:** Collection of seven utilities for use with your PC. These are DELALL which will search for, display, and optionally delete any file or files nominated on your disk. NEWFRESH, allows you to reset the RAM refresh rate of your computer to speed up the computer, REFRESH which will tell you the optimum refresh rate for your PC, CPUTEST, ■ test your CPU, REBOOT, which allows you to reboot your machine from the command line or from a batch file, SERCHECK, to check on the status of your serial ports, and PRIME, a prime number calculator which allows you to assess the speed of your PC.

**PC3161 SEARCH AND REPLACE:** Multi string search and replace filter. Both text and binary files can be processed by the program, since it allows the definition of hex values in a search and replace equation. Up to 50 equations can be entered into the program table, each of which can be a maximum of 200 characters in length. The multiple search and replace operations are performed in a single pass.

**PC3162 GAVIN'S FAST FIND:** Very fast file finding utility. Rated faster than most commercial file finding utilities this program allows you to search multiple drives for specific files quickly and easily, even hidden files. Will display location of file or files filling the search criteria, and handle extended disk partitioned drives.

**PC3163 PORT FINDER:** Port Finder is a very versatile program. It will display your computer type, BIOS date, DOS version, and display adapter type. It will detect and display COM1 to COM4 and LPT1 ■ LPT3 ports that are responding with the actual HEX address. Because Port Finder displays the HEX port addresses it can be used as a diagnostic tool. You can swap COM or LPT port addresses installed of swapping cables. If you have DOS 3.3 or higher, and have COM3 and/or COM4, Port Finder will activate them. DOS will then recognise these ports and you will be able to use the DOS MODE command, as well as use the ports with other programs.

**PC3164 COMHELP:** Useful utility program to both read and write the communication parameters in your PC's COM1 and/or COM2 ports. Program features user friendly menu system for communication parameter set-up, lets you set the UART speeds for unusual speeds for testing limits of software or hardware, provides a toolbox for solving your PC communications problems such as checking if your serial card/internal modem is installed, provide exhaustive UART tests via internal and external loopbacks, provide in depth help screens to save time in understanding each bit in the UART register.

**PC3174 FLEXPLUS BACKUP:** Flexible, easy to use hard disk backup system that takes a logical, simple, and unique approach to the backup problem. With a conventional backup system you are required to take a full backup as well as incremental backups. With FlexPlus you need to only take a full backup once, and then all subsequent backups are placed on the same backup disks, giving some long term speed increases, simpler file restoration, and an improved backup management capability. Features include the ability to allow selective backups, both globally and by directory, a file management system that keeps track of which files have been backed up, and informs you ■ any files have gone missing from the hard disk, file compression to reduce the number of disks required for backup, an alarm system to warn you when a backup is due, and much more.

**PC3177 BACPLUS BACKUP UTILITY:** Excellent and easy to use back up utility. Interactive menu driven utility designed for ease of use. Backs up files faster than the DOS utilities, whilst allowing total control of the back up system. Prompts the user every step of the way for beginners, or can be set up with macros for more efficient backup by more experienced users. Handles files of all sizes, and formats disks as they are needed.

**PC3178 POINT & SHOOT BACKUP:** Program designed to provide a fast, easy back up of your hard disk data to floppy disks. User involvement is minimized by the use of easy to use menus. Up to 10 user defined backup configurations can be set up, allowing you to determine which directories and file will be saved. Number of backup disks required is automatically calculated, and all types of floppy disk drives are supported.

**PC3179 AUTOSAVE:** Program designed to help you avoid losing your current work at hand due to power failure or other mishap by automatically saving it at regular intervals. When started, Autosave remains resident in memory as you use your application. After a few minutes, it waits for a moment of keyboard inactivity and automatically enters the keystrokes necessary to save your file. Autosave doesn't do anything else. Your program interprets the keystrokes (just as if you had entered them yourself) saves the file, and returns you to the point where you left off. Autosave continues to save your work every few minutes until you exit the program. Autosave is compatible with almost all programs. It's flexible because it doesn't save your file, it enters the keys that instruct your application to save the file. You must tell Autosave what keystrokes will save your file.

**PC3180 LCG REMIND:** Utility program designed to remind you when it is time to back up the files on your hard disk, and to help automate the process. Allows you to automate any task based on the day of the week, day of the month, or the number of days since last executed. When triggered the program can be instructed to take a variety of actions. It can run another program directly, it can simply display a reminder message, or it can even offer a multiple choice question and act based upon the response.

**PC3181 RUN ANYTIME:** Easy to use program that monitors up to 15 combinations of days, dates, and times in the background each time it is run to play back keystrokes whenever you wish just as if you typed them into your favourite programs yourself. No batch files are needed. Run applications, backup, or any thing at a time you choose.

**PC3182 PAINLESS EVENT PROCESSOR:** Program allows your computer to work 24 hours a day. You simply tell the event processor when to execute programs, batch files, tasks, utilities, etc. and at the specified time the keystrokes will be entered into your computer as if you were sitting ■ the keyboard yourself. The painless Event processor sits in memory (using only 10K), waiting for the real time clock to trigger an event. You can schedule up to eight events at one time. The program also comes with a key stroke capturing system, to enable you to easily produce the files necessary. Context sensitive help is available at all times.

**PC3200 SHERLOCK TEXT COMPARISON:** Utility that compares two ASCII files line by line. When they don't match the program raises a flag. At that point you may scroll either or both files past the mismatch to put them in synch and continue. Either file can be automatically scanned to locate a line matching the line selected in the other file. Sherlock displays five lines from each file in separate windows. Includes features for searching, jumping around the files, and copying lines to the printer. Designed as a tool for programmers and writers.

**PC3211 MASTERKEY:** Great utility which allows you to access your MS-DOS disks. It includes a disk editor, file editor, file manipulator, and more. Allows access to hard disks, any size floppy disk, and RAM disk.

**PC3213 ANADISK DISK UTILITY:** Powerful general purpose package to analyse, inspect, edit, repair, and copy floppy diskettes. Supports all DOS floppy diskette types, and allows you to easily change disk sectors, edit any information on the diskette, repair corrupted sectors, copy almost any disk, and much more.

**PC3214 PERUSE FILE READER:** Program allows you to view standard ASCII text files as well as Binary files. You can view multiple files simultaneously in either text mode or hexadecimal format. Complete search, block, and printing capabilities. Supports a mouse for easier navigation through files, and even supports 43 line mode on EGA and 50 line mode on VGA systems. Can be loaded as memory resident, and swapped to disk to only use 7K of RAM, or as stand alone with a handy shell to DOS capability. Easily customisable to suit your needs.

**PC3215 MAXI DISK FORMATTER:** Good program which allows you to format your disks to store more. Standard 360K disks can be formatted to 420K, 720K disk to 800K, 1.2M disks to 1.4 M, and 1.44M to 1.6M. In most cases no special device drivers are required to access these disks.

**PC3216 DISK DUPLICATOR:** DUP is a duplication utility designed to let individuals and companies create multiple copies of diskettes. The program reads the source diskette, produces an image on your hard disk and allows you to produce multiple copies without having to re read the source diskette. The program formats, writes, and verifies in one pass, has the option of incrementing serial numbers during production, and can use any type of floppy drive.

**PC3217 CIPHER FILE ENCRYPTION UTILITY:** Program is designed to encode files so they can be securely stored or sent, and then decoded. It has a number of features which make it unique. These include the ability to encode files in such a way that the receiver can be certain who sent the file, and the sender can be certain that no one but the intended recipient can decode the file. It will encode and decode any type of file including executable files.

**PC3218 YOUR TURN SECURITY SYSTEM:** Control who uses your PC and what access they have to your files using this security system. This memory resident program restricts the types of files that up to four people can create, open, rename, delete, or change the attribute of. This is done by controlling access to files by their extension. Each user, or group of users must enter a password to obtain their access level. Also the program keeps a log of the time and date that anyone opens, deletes, or in any way manipulates a file, by which password the action was taken, and whether the action was successful or not.

**PC3219 COPYQM DISK DUPLICATOR:** Utility designed to help users copy and format disks easily. The program reads all allocated tracks from a DOS diskette and saves the data in local memory. The program then formats a blank diskette and copies the information onto the diskette. The program reads all of the data from the master diskette and stores it away. If you are using high capacity drives, the information will be stored to hard disk or expanded or extended memory if available. Throughout the copy process the program monitors for disk changes so no keyboard entry is required. Also a graphics display of what is going on makes for quick and easy operation. The program will not copy protected programs, but will allow you to easily make quantities of standard DOS diskettes quickly and easily.

**PC3221 ADJUSTABLE RAM DISK:** ADJRAM, is a RAM disk program with a difference. This program allows you to set up a RAM disk and then change its size at any time without rebooting, and without losing any information in your RAM disk. Supports standard RAM and LIM Expanded memory. Source code in C is included.

**PC3223 CON FORMAT:** Memory resident utility you can pop up over any application and allows you to format a disk in the background while other work is being done on your computer. Con Format can be called up with the press of a key, and works with all types of diskettes from 180 Kb to 1.44 Mb. Very useful utility for all users.

**PC3225A QUICKCACHE DISK 1:** Excellent full powered disk caching program to help speed up disk read and writes. Can use standard memory, as well as extended and expanded memory efficiently. Uses a sophisticated and efficient algorithm to speed up disk access up to ten times or more. Requires PC3225B.

**PC3225B QUICKCACHE DISK 2:** Second disk of QUICKCACHE program includes comprehensive documentation. Requires PC3225A.

**PC3227 EASY FORMAT:** Program designed to easily format any disk type on any drive size. Includes 4 testing methods, 6 bad spot marking options, continuous formatting ability even on two disks of different size, custom boot messages, volume labels, a seventy page user manual on disk, and more. Also includes a DESQVIEW specific version. Three languages are supported, English, German, and Spanish. Menu driven for ease of use, will also reliably format a 360K disk on a 1.2M drive.

**PC3230A CP/M TRANSFER UTILITY DISK 1:** Excellent CP/M to DOS transfer utility and CP/M emulation program for your PC. The program actually lets you read a large number of standard CP/M formats on your PC. The formats include Altos Series 5, Ampro, Bondwell, Coleco ADAM, Compustar, Cromenco, DEC, Eagle, Epson QX, Fujitsu, Heath, HP, Kaypro, Morrow, NCR, NEC, OKI, Osborne, Otrona, and many more. Can easily be configured for almost any disk type. You can transfer files from CP/M disk to a dos disk and vice versa, display disk directories and files, and more. The CP/M emulator allows you to run most CP/M programs on your PC. Requires PC3230B.

**PC3230B CP/M TRANSFER UTILITY DISK 2:** Second disk of CP/M transfer utility package. Requires PC3230A.

**PC3253 PSS-LABEL DISK LABELLER:** Menu driven diskette label printing utility. Allows you to print labels of just about any size on just about any printer. You can sort the filenames before printing. You can specify numerous options that control such features as the size of the disk name when printed, whether leading zeros should be suppressed, whether trailing blanks should be suppressed when the filenames are printed. Virtually every print feature of the labels can be customised. Also information such as free space are included.

**PC3254 COMPUFILE DISK CATALOGUER:** Program designed to help organise all your files stored on various disks be they floppy or hard. Provides an easy way of finding files and keeping track of all the files you have. The program automatically "logs" file information contained upon supplied volumes in any valid disk drive into a database. This database is used to store all relevant information relating to the files enabling you to easily search for the file when you need to. Compufile is capable of holding over 65,000 individual files and or directory names, as well as 65,000 unique volume names.

**PC3255 FOLDIR FOLDING DIRECTORY:** Program reads the disk directory, and prints it up as a real disk envelope, with the directory printed on it. Simply fold the resultant print out along the dotted lines and you have a complete disk envelope with a complete disk directory on the front. Can print envelopes for both 5.25 inch disks and 3.50 inch disks. Up to 100 files can be printed on the sleeve. Uses any Epson compatible dot matrix printer capable of printing in compressed mode.

**PC3256 ARCHIVE VIEWER:** Program allows you to list the contents of ARC, LZH, LZS, PAK, ZIP, and ZOO archives, including self extracting archives. The program works by inspecting each file's internal format, regardless of filename extension. Besides being able to display archives in various ways, RV includes options to convert self extracting archives back to normal archive, to strip excess bytes left at the ends of archives by modem file transfers, and to reset the archive file date and time.

**PC3257 FBNCAT DISK CATALOGUE MANAGER:** Disk cataloguing tool to allow you to keep track of your files, both on floppies and hard disks. Program includes mouse support, support for ARC, ZIP, LZH, and PAK archives, a wide range of printer support, plus the ability to configure it for almost any printer, easy update verification, and more. Menus and dialogue boxes make for ease of use, and context sensitive help is available at all times. Comments can be added to disk catalogues, and a number of reports can be produced, including a list of disks, and files, a list of disk directories, and more.

**PC3258 DISKLIST:** Program produces diskette covers with the directory contents for 5.25 and 3.5 inch disks, as well as hard disk. File names can be sorted by name, date, extension, size, or not sorted. DISKLIST reads all subdirectories. Displays on the screen, to the printer, or to a disk file. Select the type of frame lines to use, and any printer can be used thanks to the comprehensive customisation features of the program.

**PC3259 EZ DISK ADMIRAL:** Disk cataloguing program designed for ease of use. Provides fast and easy access to information concerning your disk collection. Context sensitive help, an on line manual, and pull down menus make it easy to use. Indexes are kept of the file name, type, extension, time and date and more. Search for files on these or any other criterion. Also allows you to use ARC, ZIP, LZH, and other archive files. Print reports and labels for your disk collection, and do much more using this powerful disk cataloguing tool. Uses dBase compatible files for information, and up to 2 billion records.

**PC3261 OMNIDISK:** Program will read a floppy into memory and let you save it with a 21 character title, 4 digit disk number, 3 character code, and a 2 line description. Also you can add descriptions of the individual files, print our labels with the file names and descriptions, print lists of files, search for files by name, description, disk number and other criteria, create a dBase file of filenames, and much more. \*NEW\*

**PC3270 SOFT-TOUCH:** Keyboard utility that allows you to programme individual key combinations with user defined keystrokes or macros. Also allows you to combine these keystrokes into even larger macros. Even allows you to automatically enter time and date and much more! Up to 90 key combinations with 3000 maximum keystrokes are allowed.

**PC3271 HURRY KEY:** Sophisticated keyboard turbocharger for your PC. Provides a toolbox of new keyboard features which you can use to choose different repeating speeds for different characters, adjust the repeat delay factor, and the acceleration rate, and prevent cursor run on.

**PC3272 WARPSPEED KEYBOARD UTILITY:** Keyboard utility which will dramatically speed up the repetition rate of your keyboard without overrun. Overrun occurs when you release the key you have been holding and yet the key continues to repeat. The program can be customized to set up the delay required before speeding up the keyboard, and how sensitive your application is to overrun. Uses only 1K of memory.

**PC3274 NEWKEY:** Keyboard enhancer that simplifies the entry of common keystroke sequences by allowing these sequences to be assigned to any key desired. Once assigned to a particular key, whenever that key is struck the predefined sequence of keystrokes will be returned in place of the struck key. Newkey allows customisation of software packages, ready creation of boiler plate passages, help menus, keyboard redefinition, cursor speed up, screen blanker, extended keyboard buffer, and several other useful purposes. Features include a full featured macro editor, date/time macro facilities, easy customisation, and much more. Includes very comprehensive documentation.

**PC3291 PRTLABEL:** Powerful and flexible label printing program. You can specify label size, number of labels across, and printer model. Over 50 printer configurations are included, and you can easily produce your own printer specific file. You can use fonts such as condensed, expanded, and italics, and can even print borders and serial numbers on your labels.

**PC3292 LABEL MAGIC:** Excellent labelling system that produces great looking labels quickly and easily. Labels can be produced with the included graphics icons, or with standard text. Supports most printers and allows you to print onto labels, or directly onto envelopes. Preview the label complete with graphics on screen. Requires Hard Disk.

**PC3293 DGLABEL:** Program provides a quick and easy method to print labels with great flexibility with fonts. You can create labels, set-up fonts or lines for memory, and save them for future use. You can select different font styles for each line, and even select combinations of font effects for each line. You can select whether to print left justified, or centre the text, and easily select the width of the label.

**PC3294 MR LABEL:** Dedicated labelling program that is loaded with features. It works with 11 dot matrix and laser printers. Can be used as a simple typewriter to produce single labels, or print multiple labels from lists. Allows you to print up to 9 labels across, and use any of the fonts available on your printer. Can repeat lines as needed to avoid unnecessary typing, automatically increment sequential numbers on to labels, centre the text in the labels, print up to 10,000 copies of a label, print borders on the labels with 4 styles, and much more. Can be used for producing almost any type of label.

**PC3295 LABEL WRITER:** Program designed to simplify the task of creating address and floppy disk labels. Allows you to create a database of labels of up to 5 lines each. Search and view the labels up to 15 at a time. Select the labels you want, and sort them prior to printing. Can produce multiple copies of the labels you select. Also includes source code in Pascal for the program.

#### MS WINDOWS UTILITIES

**PC3300 WINDOWS MAGIC SCREENSAVER:** Configurable screensaver utility written specifically for Microsoft Windows 3.0. If your computer is left unattended MAGIC fills your screen with colourful animation, as well as providing password protection for your computer. Program is fully Windows 3 compatible, handles communications ports, and provides password security even across reboots. Saves monitor from damage due to image burn in. Easy to configure, this application is a must for Windows users. Requires Microsoft Windows 3.0 or higher.

**PC3301 WINDOWS GRABIT:** Screen capture and graphics enhancement tool for Microsoft Windows 3. Allows you to capture portions, or the entire Windows screen. The screen can be cleaned up and copied to the clipboard. It can also be scaled, inverted, mirrored, and more. Can be used in conjunction with other Windows graphics programs, and save them to a .BMP file, which will save space on your hard disk. Requires Microsoft Windows 3.0 or higher.

**PC3302 WINDOWS WINPRINT:** Application for printing standard ASCII text files on your printer, through Microsoft Windows. WinPrint is capable of printing your files with page breaks, headers and footers (including page numbers, file revision date, and current date), using all of the capabilities of Windows and your printer. WinPrint also takes advantage of the Windows Spooler program to allow you to get on with other work while your files print. Requires Microsoft Windows 3.0 or higher.

**PC3303 WINDOWS WINPOST:** WinPost provides a mechanism for manipulating on screen reminder notes for Microsoft Windows 3.0. Up to 32 "notes" can be in use at any given time. WinPost will save the state of all notes upon program termination, so next time you bring up the program, the notes will look exactly the same as when you exited the program. It also has a layout feature which allows the user to assign individual notes to one or more layouts so that the user can choose to display only notes belonging to a particular layout. Requires Microsoft Windows 3.0 or higher.

**PC3304 WINDOWS ORGANIZE:** Program looks and feels exactly like a diary, making it an easy to use, yet powerful application. Personal organiser, this program will help you get organised, no matter how disorganised you are. Because of its innovative design, you add functions as you need them. There are no unnecessary functions to clutter your way. Flip through your on screen diary, and easily add pages as you need them. It uses a word in context system to manage random and structured personal information that you enter into the diary. Requires EGA/VGA graphics system and Microsoft Windows 3.0 or higher.

**PC3305 WINDOWS ICONTAMER:** Complete icon management utility for Windows 3. IconTamer allows you to view icons quickly and easily by clicking on them in the list box, edit any icons using a Windows graphic program, rename icons, delete icons to and from the clipboard, use the screen cut feature to cut any program icon from the Windows desktop, edit and save as a new icon, convert bitmaps into icon format, change icon formats, and more. Requires Microsoft Windows 3.0 or higher.

**PC3306 WINDOWS ICONPEEK:** Program will read an entire directory, find every icon and copy them to a Paintbrush bitmap. It puts 56 icons and their names on each page. You can print the bitmap on any graphics printer that Windows 3.0 supports, save it for reference, or cut and paste into other Windows applications. Requires Microsoft Windows 3.0 or higher.

**PC3307 WINDOWS ICON EDITOR:** Program allows you to view and edit icons in .ICO format. It supports transparent as well as solid icons. Features an easy to use menu system, selectable drawing styles, grid for drawing on and more. Includes number of sample icons. Requires EGA/VGA graphics system and AT or 386 computer. Requires Microsoft Windows 3.0 or higher.

**PC3308 WINDOWS ICONDRAW:** Utility to aid in editing Windows icons. Allows you to create 16 colour 23 x 32 pixel .ICO icons. Has pencil, rectangle, line, and ellipse tools. Allows you to paste to clipboard. Includes some sample icons. Requires Microsoft Windows 3.0 or higher.

**PC3309 WINDOWS DXF VIEWER:** Program allows you to import AutoCad DXF files into Windows 3.0 programs. It reads DXF files and exports them to either Windows Metafile format (.WMF) or to clipboard. Likewise you can view the contents of a DXF file or a Windows Metafile in a window. Includes two sample DXF files, and source code in C. Requires Microsoft Windows 3.0 or higher.

**PC3310 WINDOWS FILEVIEW:** Program allows you to browse files in either ASCII or hexadecimal format. Also allows you to print files. Select files using wildcards or from a menu. Can view any size file as it does not load file to RAM, but reads it direct from the disk. Requires Microsoft Windows 3.0 or higher.

**PC3311 WINDOWS WINBATCH:** A batch language interpreter which brings the power of batch language programming to the Windows environment. WinBatch files can do pretty much everything the old DOS batch files could do, plus more. WinBatch can run Windows and DOS programs, send keystrokes directly to applications, prompt user for input, present scrollable file and directory lists, display information to the user in various formats, make branching decisions based upon numerous factors, and much more. Whether you are creating batch files for other, or looking for a way to automate your own work and eliminate the drudgery of repetitive tasks, you will find WinBatch to be a powerful, versatile, and easy to use tool. Requires Microsoft Windows 3.0 or higher.

#### PRINTER UTILITIES

**PC3400 LQ:** Great memory resident printer utility which allows you to produce near letter quality print on inexpensive dot matrix printers. Also lets you use different font sets on your printer with four fonts available at any time. Suitable for Epson, Star, Citoh, and IBM Proprinter.

**PC3402 MICROTEXT DOCUMENT CRUNCHER:** Excellent program that allows you to condense printed text so that up to 4 pages can be printed on a single sheet. Works with almost any dot matrix printer, as well as HP Laserjet printers. Program allows for page preview, as well as a number of advanced features, add margin for hole punching, and more.



**PC3403 PCP MEMORY RESIDENT PRINTER CONTROLLER:** Memory resident print control program. Offers improved print screen capability for text screens and the capability to send commands to the printer from within other programs. It is supplied with a printer code file for an IBM compatible printer. Instructions are provided for modifying or preparing a printer code file for other printers.

**PC3404 PRINT PLUS:** Full featured file printing program. Prints files with options to save paper by skipping extra blank lines. File viewing, Tag and Copy, Move, Delete, Redirection of output to an ASCII file. Also features pull down menus and optional mouse support. Can print files from specified page numbers, print line numbers, preview number of pages to print, and replace IBM box characters with user defined characters. Configurations are possible for printer setup, screen colours, mouse functions, text output, and more. Can print filename, current date and time, and file's date and time at the top of the first page.

**PC3405 VERSATILE PRINTER SETUP:** Printer setup program that can be adapted to almost any available printer. Includes setup for a number of printers including Epson, IBM, Gemini, NEC and HP Laserjet. Very useful.

**PC3406 PRINTER DOLLY:** Memory resident printer control program for HP Laserjet and Deskjet, Epson LQ printers, and Canon BJ10e printers. Printer Dolly can be used to vary typefaces, font size, page orientation. Allows you to toggle between three printers attached to separate parallel ports. Can send escape sequences to your printer in a number of different ways, and can be used with text editors to enhance quality by providing access to printers fonts and other features at the touch of a button. Supports many HP font cartridges and soft fonts. Uses only 20K or RAM when loaded. \*NEW\*

**PC3408 4PRINT:** Paper saving utility for HP Laserjets, Deskjets, and compatible printers. Program prints 2 or 3 fully readable pages of text on each sheet of paper using your LaserJet's or DeskJet's landscape printing capability. 4Print can also print on both sides of a sheet yielding 4,6 or even more pages of text on each sheet. Also included is 4BOOK which makes it easy to produce handsome booklets. Booklets can be customised in dozens of ways, including cover styles, large title fonts, boilerplate text, and even random quotes that print out differently each time the booklet is printed. Other features include printing 1-4 columns of text across, variable number of lines per page, reverse order printing to eliminate the need for paper shuffling, automatic line numbering, and much more. Requires HP Laserjet, Deskjet, or compatible printer. \*NEW\*

**PC3409 WINDOWS 4SHELL:** Windows application that will control and operate the 4PRINT and 4BOOK programs under Windows. 4Shell will allow you to set the different command line options of 4Print and 4Book and save them as your default selections. 4Shell will shell from Windows, call up 4Print or 4Book, and return to Windows with no cumbersome dropping to DOS or other complicated methods. Allows you to set the commands, pick the files to print from a pick list of files on your computer, and then call 4Print or 4Book to perform the printing. Requires Microsoft Windows 3.0 or higher and 4PRINT(PC3408). \*NEW\*

**PC3411 BRADFORD:** Printer utility that allows you to print ASCII or Wordstar in very high quality using a number of different fonts on Epson FX, IBM Graphics and Proprietary, and Star Gemini printers. Comes with over forty fonts including Greek, Hebrew, Jazz, Orator, Nostalgia, and more.

**PC3412 FXMATRIX:** Program designed to allow users to design user defined characters, store them in a file, and download them to an Epson FX or JX or compatible 9 pin dot matrix printer. Also includes a number of sample files including block, Greek, italic, and more.

**PC3416 LUM SIDE WAYS PRINT UTILITY:** Memory resident pop up side way printing utility for spread sheets and text. LUM supports reverse high-lighting, superscript, subscript, and up to eight types of underlining and overstriking, as well as extended ASCII. Requires Epson compatible dot matrix printer.

**PC3417 SIDEWRITER:** Program will allow you to print any ASCII text file sideways on a dot matrix printer, allowing for virtually unlimited print width. Allows you to print spreadsheet files sideways after printing them to disk. Supports IBM printers, Epson printers, and Thinkjet printers. Also includes source code in Pascal.

**PC3428 LQMATRIX:** Program designed to allow you to design user created characters, store them in a file, and download them to an Epson LQ or compatible 24 pin printer. It will design draft, NLQ, and proportional fonts. Includes utility to convert files from FXMATRIX for use with LQMATRIX, as well as a utility to aid in the downloading of files to the printer. Also included are a number of downloadable fonts including block, caps, digit, Gothic, Greek, italic, largo, pres, script, and more.

**PC3429 LQ FONT GENERATOR:** Program allows you to create and edit downloadable fonts for EPSON LQ series 24 pin dot matrix printers. Also included are a number of sample fonts for use with the program, or for downloading to your printer, as well as a utility to help download fonts to your printer. Fonts included are CAPS, SANSERIF, SCIENCE, SHADOW, STENCIL, GOTHIC, and SCRIPT.

**PC3431 VERSA SPOOL PRINT SPOOLER:** Excellent print spooler for PCs which permits up to three printers to be independently spooled as background processes. You can easily set up buffer size, pause the current printer, output speed allowing you to minimise the effect of the spooler on other applications, and more.

**PC3432 DISK SPOOL II:** Program sets up a print spooling environment where printed output is spooled to disk rather than memory. Program works with virtually all applications, and uses a pop up menu which controls starting and stopping of spooling and printing, displaying the contents of the spool file, changing printing ports, and more. Can be set up to spool data being sent to any port including serial and parallel ports. Attributes such as number of copies, output port, and whether to save the file after printing can also be set. Program also has the ability to monitor the COM ports for incoming data, and spool the data to disk in the background. RAM requirement can be set as low as 14k.

**PC3440 HP PLOTTER EMULATOR:** PRINTGL allows you to print a HP-GL (Hewlett-Packard Graphics Language) plotfile on a dot matrix and laser printers. HP-GL is HP's pen plotter control language that is widely supported by graphics programs including AUTOCAD, GENCAD, MATHCAD, and many more. The program includes drivers for Epson 9 and 24 pin printers, Proprietary, HP Laserjet, Deskjet, and Paintjet, and IBM printers. It will also display plots to your screen. Even if your program supports your printer, you may find that PRINTGL gives better print quality as it uses the highest resolution mode for each printer it supports.

**PC3441 AUTOCAD ADIPLLOT:** Series of programs for various printers that read an ADI plot file produced by AUTOCAD and generate a near plotter quality output on a dot matrix printer. Supports Epson and Okidata printers. The plots produced are of far greater quality than those produced by AutoCad's printer drivers. This is a result of using a plotter driver to generate the vectors and then rasterizing the plot external to AutoCad, where far more memory is available for the printer bitmap. Supports output from AutoCad v2.18 and higher.

**PC3450 CLASER:** Excellent utility for those with HP Laserjet or compatible laser printer. Memory resident program it allows you easily choose the font you want your printer to use including cartridge fonts, provides control over printer ports to allow serial port support, perform graphics screen dumps on the HP, and emulate an Epson FX printer for those programs that don't support HP Laserjet.

**PC3452 LOADFONT:** Excellent utility program for those with HP Laserjet compatible laser printer. Reads a directory of soft fonts and allows you to select those you want to download to your laser printer, or allows you to produce a batch file to load the fonts at any time. Can handle Up to 200 soft fonts, and comes with 7 soft fonts on the disk.

**PC3453 OVERLAY:** Program converts a print file to an overlay file for HP-Laserjet compatible printers. An overlay will place the print image on every page without the need to re send the file to the printer. This is great for applications such as letterheads, graphics, logos, and text.

**PC3454 SOLIDFONT:** Program converts any HP Laserjet soft font to a solid, three dimensional typeface. The character-height, width, and displacement are adjusted to take into account the extra thickness. Useful for producing headline fonts.

**PC3455 FONT LOADER:** HP Laserjet soft font loader that can rotate, scale, mirror, and fix the pitch of fonts on the fly. Program takes a soft font and enables you to print it in any font size and orientation, as well as various other manipulations such as wide and thin fonts, and more. Excellent utility for HP Laserjet users as it effectively provides you with hundreds of fonts for free.

**PC3456 LASEIT:** Utility for HP Laserjet printer which allows you to select the number of lines you wish to print per page, the number of characters per line. Also allows you to print double sided documents, and a header or trailer to each page, print in landscape (sideways) mode, and more. Ideal for use over networks sharing a Laserjet or compatible printer.

**PC3457 FONTVIEW:** Program reads HP Laserjet downloadable fonts in both portrait and landscape mode and displays the magnified characters in the file on your EGA screen in increasing ASCII order. You can set the magnification, whether to view the characters within a grid, and more. Requires EGA/VGA graphics system.

**PC3458 VENTURA FONT MANAGER:** Painless menu driven front end to create width tables for LaserJet soft fonts used with Ventura Publisher. It is intended to drive Ventura when it is used with a HP LaserJet Plus compatible printer. VFM drives the two utilities which come with Ventura for adding fonts, but it supplies them with the right files and parameters automatically, so as to avoid all the typing. It allows you to create width tables effortlessly. VFM will allow you to simply add fonts to Ventura or to recreate your entire HPLJPLUS.WID width table, renaming those fonts which use generic names if you like. VFM is an essential tool for anyone using Ventura and a LaserJet.

**PC3459 TSR DOWNLOAD:** Memory resident soft font manager for LaserJet and DeskJet fonts locates all your soft fonts automatically and displays them in English. TSR Download pops up in any application and downloads individual or lists of fonts. Offers a point and shoot interface, selects or deletes fonts, controls line spacing, and remembers what fonts have been sent to your printer while managing printer memory. Even compresses soft fonts so that they only take up 25% of their normal space. Supports up to 300 soft fonts in up to 4 separate subdirectories. Includes 12 point Helvetica and Roman fonts in medium, bold, and italics for both LaserJet and DeskJet printers.

**PC3460 FONT FILTERS:** Great program for owners of HP LaserJet or compatible printer. Takes any soft font and transforms into either a hollow outline form of the font, or a 3-D effect font with shadowing. If you don't have postscript this will allow you to do some of the things more expensive postscript printers do.

**PC3461 ESF'S LASERJET FONTS:** This is a collection of 21 soft fonts for any HP LaserJet or compatible laser printer. The fonts include Helvetica and Roman 10 and 12 point in medium, bold, and italics, 18 point bold Helvetica and Roman, Century Legal 12 Point, Script 12 point, Flourish 12 point, Broadway 18 point, Keycaps 10 point, Dingbats 11 point, and Greek 10 point. The package also includes utility programs for downloading and printing sample sheets of fonts. Printer drivers are included for Wordperfect 5.0 and 5.1, Word 5.0, Ventura, and PageMaker. All the fonts can be installed from a simple Install option.

**PC3462 ESF'S DESKJET FONTS:** This is a collection of 18 soft fonts for the HP DeskJet or DeskJet Plus printer. The fonts include Helvetica and Roman 10 and 12 point in medium, bold, and italics, Script in 8 and 12 point, Old English in 8 and 10 point, Square 10 point 10 pitch, and Symbols in 24 point. The package also includes utility programs for downloading and printing sample sheets of fonts. Printer drivers are included for Wordperfect 5.0 and 5.1, Word 5.0, and PC Write. All the fonts can be installed from a simple Install option.

**PC3463 ESF'S EUROPEAN LJ FONTS:** This disk contains 12 soft fonts for the HP LaserJet that all contain the full PC-850 symbol set which covers most countries in Europe, printer drivers and instructions for WordPerfect 5.0 and 5.1, Microsoft Word 5.0, and instructions for using the fonts with Windows. Also included are three soft font utilities: Download for sending soft fonts to your printer, Fontinfo for examining soft fonts, and Dispfont for printing sample sheets of soft fonts. Fonts on the disk are Garamond in 12 and 18 point, Helvetica in 12 and 1 point, and Roman in 12 and 18 point. 12 point fonts are available in bold, italic and medium styles, and the 18 point in bold. \*NEW\*

**PC3464 ESF'S LASERJET III SCALABLE FONTS:** This disk contains eight scalable soft fonts for the HP LaserJet III printer, plus printer drivers and instructions for WordPerfect 5.1, Word 5.0. Also included are two soft font utility programs, DOWNLOAD for sending soft fonts to your printer, and MAPSCAL for printing sample sheets of soft fonts. Fonts available are Baha and Baha Bold, similar to ITC Bauhaus, Cooper Black, and Cooper Italic, Penior and Penior Bold, similar to Peignot, and Rounded and Rounded Bold, similar to VAG Rounded. Requires HP LaserJet III or compatible printer. Will not work with standard HP LaserJet or II series. \*NEW\*

**PC3480 POSTSCRIPT TRANSLATOR:** Program allows you to print standard ASCII files to a Postscript printer. It can thus provide Postscript support to the many programs which currently do not support Postscript printers. Also allows you to print directly to a Postscript printer from DOS. Type font and size can be selected as can page orientation.

**PC3502 ASIC COMPILER:** ASIC is a "BASIC" programming language compiler for IBM PC's and compatibles. It includes an integrated full screen editor, from which you can edit, compile, and execute your program. ASIC is a subset of BASICA and GWBASIC which supports over 40 BASIC statements, integer and string variables, and integer arrays. It will compile your programs at high speed, and the code it generates is fast and compact.

**PC3503 FIRST IMPRESSION:** Excellent new installation utility useful for programmers. Designed to make installing your program easy, First Impression allows the developer to set up an easy to use installation option, allowing the user to set up the source and destination drives, and checking various parameters before completing installation. \*NEW\*

**PC3510 WASM ASSEMBLER:** Assembly language compiler that takes a standard ASCII text file containing 8086 instruction mnemonics and produce an executable COM file. Supports full range of 8086 instructions and addressing and produces executable code that does not require linking.

**PC3511 A86/D86 ASSEMBLER:** Extremely powerful assembler and debugger package. This complete macro assembler for the IBM suitable for all processors. Compiles directly to .COM or makes .OBJ files for linking, or inclusion in other programming languages. Produces symbolic tables and cross-references. Blindingly fast, this program also automatically assembles multiple source files. Highly recommended by programmers world wide this program is designed for more experienced programmers. Also includes the D86 debugger.

**PC3512 DIS86 DISASSEMBLER:** Full screen interactive disassembler of object code for 8086, 8087, 8088, 80286, and 80386 code, as well as V20 and V30 code. The 80386 disassemblies include 32 bit operands and addresses. DIS86 implements the concept of a "current location" and allows the cursor keys to change it. Code can come from a .EXE file, in which case the file header is properly interpreted, any other file assumed to have no header, or anywhere in main memory. It can also read and write using absolute disk addresses.

**PC3520 PASCAL SCREEN CODE GENERATOR:** Minigen is a Turbo Pascal code generator and a group of procedures and functions, all designed to work on an IBM PC or compatible with a monochrome or colour video card installed. With it you can paint data entry screens, open and close windows with borders and cursor memory, perform controlled data entry with return codes, type and range checking, and create pull down menus.

**PC3521 SCREENPAINT:** Program designed to allow the design of lightning fast batch file based hard disk menus, help facilities, pop up windows, and prototype screens for applications programs. Screens can be quickly "painted" in a full screen editing environment, complete with pull-down menus, help screens, automatically connecting lines, ten screen pages, and a wide variety of drawing and editing tools.

**PC3540 BATCH LANGUAGE BAZIC:** Program designed to provide extra BASIC like functions for the batch file commands, such as ON ERRORLEVEL, GOSUB/GOTO, RETURN, and more. Allows you to set up sophisticated batch files to control many features of your computer. Designed for experienced users, or those proficient in setting up batch language files.

**PC3552 AUGUSTA ADA:** Subset of the Department of Defense computer language ADA. Based on an interpreter which implements a stack oriented virtual machine. Includes a compiler with source code in Basic and Turbo Pascal.

**PC3558A PERSONAL C COMPILER DISK 1:** Fast, powerful C compiler. Full featured compiler suitable for programmers of all levels. Requires PC3558B.

**PC3558B PERSONAL C COMPILER DISK 2:** Second disk of Personal C Compiler package contains comprehensive documentation. Requires PC3558A.

**PC3559 XLISP:** Experimental artificial intelligence programming language combining some of the features of Common Lisp with an object orientated extension capability. Good for programmers wishing to learn Lisp, or object oriented programming, and those interested in Artificial Intelligence.

**PC3570A BASIC WINDOW UTILITY DISK 1:** Window tool routines designed to perform tasks common to many programs. All of the routines use as a base the BASWIND6 package included in the libraries. This provides the ability to easily create a coloured window on screen, and to let you save and restore the contents of the screen so that you can create pop up window features in your programs with a minimum of effort. The routines build upon these basic functions to provide more high level applications by simple calls to a Window Tool procedure from within your program. Designed for use with Microsoft QuickBASIC v4.5. Requires PC3570B.

**PC3570B BASIC WINDOW UTILITY DISK 2:** Second disk of the Basic Window Utility set. Requires PC3570A.

**PC3571 QBTREE:** Keyed file system based on the B-Tree sorting method for use in QuickBASIC programming. It maintains up to 10 key files and also 10 data files. In addition to finding any particular key and its associated data record very quickly, QBTREE allows sequential access to the data file. QBTREE automatically maintains the data file, automatically balances the tree at assembly language speed. Handle file and record locking for database applications written using this library. Requires QuickBASIC version 4 or higher.

**PC3585 C2DBASE UTILITIES:** C2DBASE is a collection of utilities for C programmers to enable them to use dBase files. With the C2DBASE functions a C programmer can use the files created by dBase III outside the dBase environment, extract file statistics without dBase, write C programs that bring information into the dBase environment, display memo fields, perform very fast keyphrase searching through memo fields, and much more.

**PC3586 C DATABASE MANAGEMENT:** Complete database development kit for C programmers. It is based on the NETWORK database model and uses the ISAM methodology for key file management. Program also utilises the concept of Data Definition Language (DDL) to allow the developer to easily design and modify their databases. Compatible with Microsoft C and Turbo C large memory models.

**PC3587 MULTI TASKING KERNEL FOR C:** CTASK is a set of routines that allow functions in a C program to run concurrently. This is accomplished by giving each defined task-function a slice of the processor time, switching tasks on each system timer tick, or if the task is waiting for an external event to occur, or is synchronising with another task. This gives the illusion of simultaneous execution of the tasks if switching is fast enough, and no task excessively blocks system resources. Microsoft C and Turbo C are supported.

**PC3588 KEYTREE UTILITIES:** The KeyTree Utilities are a set of C routines which provide an easy way of creating, maintaining, and accessing files of records. The indexing algorithm is particularly suited to the on line retrieval of records, and can be an order of magnitude faster than binary tree systems in accessing records. The routines are provided in source form, together with a tutorial demonstration program which can be used for setting up and accessing simple files. Works with any C compiler which includes the int86 function.

**PC3589 TURBO ENHANCEMENT FOR C:** Collection of C routines for use with Microsoft or Turbo C. The routines are designed to provide a programmer with low level routines that access the video display, keyboard, printer, disk, and mouse devices. These routines are not intended to replace the standard features of C, but to enhance and extend the versatility of the C programming environment. All the functions were written in assembly language.

**PC3610 PCMENU WINDOW MENU UTILITY:** Program designed for programmers and users to set up small windowed menus from batch files or from within applications such as dBase and other languages. Allows you to produce professional looking pop-up menus by just specifying the location and the menu file you wish to display. You can even add a time and date window onto your menu window.

**PC3700A TURBO C TUTORIAL DISK 1:** Good tutorial program on C programming in general, but more specifically for Borland's Turbo C language. Contains one disk of text files on how to program using the language, and a second disk containing a number of example source code files related to the text. Requires PC3700B.

**PC3700B TURBO C TUTORIAL DISK 2:** Second disk of the Turbo C Tutorial program. Requires PC3700A.

**PC3701 TEACH YOURSELF C:** Great tutorial programming on programming in C. Starts from the basics of C programming and covers areas such as data types, the use of strings, formatting of C programs, the use of C functions, the use of pointers and arrays, switching, and much more.

**PC3710A PASCAL TUTORIAL DISK 1:** Introductory tutorial on programming in PASCAL. Contains disk full of text files on how to program using standard Pascal and Borland's Turbo Pascal. Second disk contains 84 Pascal source files discussed in the text tutorial. Requires PC3710B.

**PC3710B PASCAL TUTORIAL DISK 2:** Second disk of Pascal Tutorial program. Requires PC3710A.

**PC3711 TURBO-LESSONS:** Tutorial on Turbo Pascal which takes you from basics to advanced programming concepts in Turbo Pascal, and includes a number of sample files.

## COMMUNICATIONS

**PC3901 TELIX:** Excellent, easy to use, general purpose telecommunication package suitable for logging onto bulletin boards and file transfer. Supports a number of file transfer techniques.

**PC3902 COMMO COMMUNICATIONS:** Small efficient telecommunications package for PC use. Compact coding has produced a fully functional general purpose communications package that is less than 21K in size. Ideal for all PC yet takes up small amount of disk and RAM space. Can be run under multi tasking utilities such as DESQVIEW. Includes its own macro processor to give the program great flexibility.

**PC3904 RCOMM RESIDENT COMMUNICATIONS:** Good memory resident communications program that allows you to upload and download files whilst running other programs. Will transmit and receive information in the background whilst you use your other software. Very useful for downloading data.

**PC3905 VIATEL TERMINAL:** ITEL, and excellent terminal program for accessing Viatel or any other Videotext type service. Provides support for modems with and without baud rate converters. Supports colour graphics and text.

**PC3906 CP TERMINAL:** Smart terminal program you can use to contact bulletin boards and on line communications systems. CP is not the most advanced communications program available. However the program only takes up 22K of disk space, making it ideal for use on laptops and systems with limited disk space. Program has the ability to capture the data you see on your screen and save it in a file for printing or reading offline. The program also has the ability to transfer files between computers using the Xmodem protocol along with Xmodem checksum and CRC data integrity testing. Supports baud rates up to 9600 baud.

**PC3907 ELSEWARE REMOTE ACCESS:** Set of programs which will allow you to use your PC from anywhere. Similar to many commercial remote access programs available, this program allows you to access your PC via modem from another PC. This no frills program uses a small amount of RAM, as little as 8K, and gives you features found in programs costing hundreds of dollars. Allows you to access computers remotely at either 1200 or 2400 baud. Good documentation explains how to set up and use the system.

**PC3908 MODEM DOCTOR:** Professional diagnostic tool for use in determining the function of your modem and serial ports. Supports up to 4 com ports, and baud rates up to 2400 in the shareware version. Registered version is considerably more powerful. Provides on screen display of registers, full diagnostic tests, and much more.

**PC3910 PC-VT TERMINAL EMULATOR:** Software emulator that allows IBM compatible PC to function as a DEC VT102 or VT100 Video terminal. Allows communications over serial ports, online help at all times, support for Hayes modems, use of macro keys and more.

**PC3915 ODYSSEY:** Powerful new full featured telecommunications program. Includes a number of unique features including MNP support in software. Allows file transfers in the background, shell to DOS, scroll back buffer, powerful macro language, large number of terminal emulations, support for COM 1 through COM 8, large number of download protocols, and much more. Requires hard drive. \*NEW\*



**PC3930A EIS BULLETIN BOARD SYSTEM DISK 1:** EIS is a complete remote information manager. The program allows people who own modems to call your modem and download information, send, receive, and reply to E-Mail, operate programs that run on your computer from theirs, view catalogues talk to the system operator, and much more. You can control access to specific message bases, menus, commands, file directories, and even individual files. Up to 999 message bases are supported, with up to 2 billion messages per message base. More than 32000 users are supported, baud rates from 300 to 19200 are supported. The program supports "doors" for PCBoard, RBBS, GAP, Wildcat, and many other systems. Requires PC3930B.

**PC3930B EIS BULLETIN BOARD SYSTEM DISK 2:** Second disk of EIS Bulletin Board System includes comprehensive documentation. Requires PC3930A.

## GRAPHICS

**PC5000A DANCAD3D V2 DISK 1:** Excellent 2D and 3D Computer Aided Design (CAD) package. Program can be used from keyboard or by mouse and supports a number of printers and plotters including Postscript laser printers. Supports many features found only in packages costing thousands of dollars. Help available on screen at all times and on screen tutorial also available. Does zooming, scaling, 3D perspective and more! Requires 640K RAM. Requires PC5000B.

**PC5000B DANCAD3D V2 DISK 2:** Second disk of the DANCAD3D package. Requires PC5000A.

**PC5002 CHILDRENS GRAPHIC PROGRAM:** Although useful for all ages this program was designed especially for children to make the creation of graphics easy. With the program you can draw lines, circles, boxes, arcs, or other figures called macros. The macros can be drawn in one of five sizes. Once the drawing is completed it can be coloured in one of five different colours. For more advanced users animation marks can be added to drawings to allow animation of the drawings. A number of sample drawings are included.

**PC5003 FUNNY FACE:** Program designed to provide kids with a creative form of entertainment. It allows the user to create animation style faces without requiring them to possess strong artistic skills. Many of the paint packages on the market require a significant degree of skill to generate recognisable pictures. FUNNY FACE allows you to generate thousands of cartoon faces easily, even by young children. which can be printed on an Epson compatible printer.

**PC5004 PC SKETCH PLUS:** A full colour drawing tool for the beginning computer artist. Has all the normal tools like lines, boxes, circles, fill, move, copy, erase, rotate, invert, text and zoom. Works with or without a mouse. Program uses vector graphics, which keeps the graphics files down in size. Separate font editor and fill in pattern editor are included.

**PC5005 BABYDRAW:** Simple graphics drawing program for children aged 2 to 102. It may be used by older children who can use the number pad keys, CTRL and ALT keys to draw pictures of their own. In addition toddlers can also use it just by randomly pressing keys, to produce shapes and designs on screen. Also has an interesting autodraw function.

**PC5006 STRUDLE DRAW:** Drawing program for young children, and the young at heart. Designed as a crayola drawing program for young ones. Uses colour and sound to great effect. Painting tools available include dots, 2 sizes of circle, squares, and lines. Save the drawings and watch them drawn on screen stroke by stroke. Includes a collection of sample drawings.

**PC5007 DESKTOP PAINT:** If you use a desktop publishing package, or work with graphics files then this program is an essential program. This graphics editing program handles monochrome files in MacPaint, GEM/Ventura IMG format, PC Paintbrush, TIFF, and WordPerfect Graphics (WPG) formats. Desktop Paint will allow you to create and edit pictures of any size in any of these formats. All of the standard features like cut and paste, move, spraycan, lines drawing, erase, box, circle and ellipse drawing, fill, undo, rubberband, zoom, invert, flip, rotate and more are included. Multi line text in a choice of fonts from 6 to 36 point can be entered, and the registered version includes a selection of other fonts. Prints on Epson compatible dot matrix printers as well as HP Laserjet and postscript laser printers. Requires 512K RAM, Hard Disks and a mouse.

**PC5008 DESKTOP PAINT 256:** Colour version of the Desktop Paint program. Will only work on Super VGA systems with video cards compatible with ATI VGA Wonder, Paradise Plus with 256K or more, or the Headland Video7 or 1024. Many cards using the Western Digital chip set are effectively compatible with the Paradise specifications. It has all the features of the Desktop Paint program, with the addition of the full 256 colour and full grey scale modes. Reads and writes PCX, GIF, TIFF, and IFF/ILBM (Deluxe Paint) files. Also includes the ability to posterize and soften to reduce moire effects. Requires 512K RAM, Hard Disk and a mouse, as well as a Super VGA system compatible with one of the above systems.

**PC5009 FINGER VGA:** Colour image processing, painting, and animation program that works in VGA (320x200 256 colours) graphics mode. Files are loaded and saved in PCX format and can be printed to a HP Laserjet at 300 dpi. Image editing features include cut, copy, paste, inverse, rotate, flip horizontally or vertically, and scaling. Drawing tools include free hand drawing, line, rectangle, triangle, brush, spray, eraser, fill, bezier curves, circles and much more. Text can be entered vertically or horizontally. Shareware version only prints to HP Laserjet. Requires VGA graphics system.\*NEW\*

**PC5010 HP LASERJET GRAPHICS:** Fingerpaint, a great graphics program specifically for HP Laserjet or compatible laser printers. Provides 150 dpi resolution, and supports CGA, EGA, and Hercules monitors. Uses keyboard or mouse and has six different fonts each of which is available in 11 different sizes. Also allows full page printing and combining screens to form animation.

**PC5011 DRAFT CHOICE:** Object based drawing package. Unlike most drawing programs this program uses floating point mathematic algorithms to record details of objects you design. Allows for extremely detailed drawings. Supports Epson dot matrix printers, HP Laserjet, and HPGL pen plotters.

**PC5012 IMAGE 3D:** Excellent design and modelling program that enables you to create, view, and edit three dimensional wire frame objects and images. Completely menu driven, the program is easy to learn and use, and features versatile commands with emphasis on conceptual design and illustration applications. IMAGE-3D features the ability to create drawings from any viewpoint around your drawing, and uses a simultaneous command architecture that allows you to use several viewpoint commands during the drawing functions. Supports all video modes including EGA and VGA.

**PC5013 FINGER MAPS:** Object oriented drawing package supplemented with a comprehensive database of world geographical coordinates. It can serve as a stand alone object drawing program, a world map maker, or simply a PCX paint image file editor. The finished drawing or map can be saved and converted into a PCX bitmap or a proprietary object format. Program can read other PCX files as background image and draw objects on top of it. The screen image can be printed to a HP Laserjet at 300 dpi. Map database contains geographical coordinates of all country borders, US state borders, major rivers and lakes, US state capitals and other major US cities and foreign capitals. Supports a Microsoft compatible mouse if available, or can be run from keyboard. Shareware version will only print to a HP Laserjet printer. Registration with the author provides printer drivers for dot matrix printers.\*NEW\*

**PC5014 LAYOUT:** Program allows you to describe, display, and print a drawing of any two dimensional area. An area may be a floor plan of a home or business establishment, a map of a piece of land, a description of the contents of a printed page, or anything else you can define on a two dimensional surface. It combines elementary grafting with a library of objects, a free form customisable database of objects usable for inventories, and the ability to convert these object databases to comma delimited files for inclusion in databases, spreadsheets, or word processors. Can be used for office design and equipment inventory, home inventory, or any small design task. Prints to Epson or IBM compatible dot matrix printers, and HP Laserjet.\*NEW\*

**PC5016 TURBO PAINT:** is full featured paint program will give any commercial package a run for its money. Support for CGA, EGA, VGA, MCGA, Hercules, and Tandy 16 colour graphics. Supports 193 different types of printers. Load and saves files in PCX, IFF, and GIF format, and can use any GEM format fonts. A spare page lets you cut and paste between pictures. Colour cycling adds interest to your art. Inverting and reversing blocks, shadows, and mirroring give you special effects. Supports mouse, keyboard, or joystick. requires 512K RAM.\*NEW\*

**PC5025 PC DRAFT II:** High resolution pixel oriented drawing and graphing program which accepts input by mouse or keyboard. Also has the ability to capture text or graphics screens, and a host of drawing functions and even the ability to produce slide type presentations from the program. Can save images in format usable by Ventura and Wordperfect 5.0.

**PC5041 BANNERIFIC:** Program lets you produce large banners on your computer printer. All of the IBM PC keyboard characters may be used. The size of the characters produced on the printer is variable, and may be as large as the width of your computer paper. Banners may be printed horizontally or vertically.

**PC5042 PRINTER PARTNER:** Excellent shareware clone of PrintMaster and PrintShop. This program will allow you to produce your own banners, signs and calendars for any event you like. Banners can have either a graphic on either end and use any font you select. Additionally the program attempts to smooth the text and graphics to make them look better. Signs may have any number of two different graphics you select and may be placed anywhere on the page. Calendars can be for any month from 1980 to 2098. Most dot matrix printers are supported. Includes utility to convert Printmaster graphics files for use with Printer Partner.

**PC5043 POSTMASTER:** Poster making program that enables the user to make up personal posters of up to 22 inches by 17 inches in size, and print it out. The program comes with five poster borders, five pre made posters, and 50 pictures which can be added to the poster. By manipulating text and pictures the user can make professional looking posters for either business or personal applications.

**PC5044 PRINTLORD:** Banner printing program that enables you to make special banners with your printer. Printlord is unique in that a large collection of pictures can be intermixed with different font styles to create vertical or horizontal banners up to 20 feet long. Over 200 picture icons are included as well as 4 different font styles. Works on most dot matrix printers.

**PC5050A PICTURE THIS DISK 1:** Excellent Postscript specific drawing package. With this program you can produce resolution independent drawing files for delivery to Postscript compatible printer or imagesetter, either freehand or by tracing "template" screens captured with the companion CaptureThis program. The program produces Postscript files using cubic Bezier curves to construct "vector-mapped" drawings which, unlike "bit-mapped" drawings, can be scaled and rotated without degradation. Ideal for desk top publishing. Requires 512K RAM and Postscript compatible printer. Requires PC5050B.

**PC5050B PICTURE THIS DISK 2:** Second disk of Picture this program. Requires PC5050A.

**PC5051A PC DRAFT-CAD DISK 1:** Object oriented Computer Aided Drafting (CAD) utility which is designed to facilitate a variety of drawing and drafting needs. Program stores your drawings as a database of basic drawing elements such as points and lines. This allow you to produce scale drawings up to any size supported by your printer or plotter. The program has built in functions to allow you to draw circles, lines, boxes, arcs, and ellipses. You can add text to your drawing with a variety of fonts. Supports a variety of printers including IBM and Epson dot matrix printers, HP Laserjet and Hp Deskjet printers, and the HPGL plotter language. Drawings can be exported in GEM and WPG format for use in Ventura and WordPerfect 5.0. Requires PC5051B.

**PC5051B PC DRAFT-CAD DISK 2:** Second disk of PC DRAFT-CAD program described above. Requires PC5051A.

**PC5053 VGA PAINT:** Graphics/drawing package that produces screen images in up to 248 colours at once. Fourteen brush shapes and four automatic shapes are provided. Image handling capabilities include sizing, flipping, moving, copying, and saving images to disk. Program requires VGA card and monitor, 450 K RAM minimum, and mouse.

**PC5055 SCHEMATIC FILER:** CAD package specifically designed for drawing electronic schematic diagrams. Designed for ease of use this program lacks some of the more advanced features of larger drawing packages, however it makes up for this by its ease of use. Includes a comprehensive library for electronic diagrams, although the program can be used for other types of drawing. Features include rubber banding, up to 16 colours in EGA/VGA mode, measuring function, easy drawing of circles, ellipses, arcs, and more. Requires 512K RAM, and a mouse.

**PC5056 PC SCHEMATICS:** Program allows the user to create electrical schematics on the monitor, to save them to disk, and to print them on an IBM compatible dot matrix printer. The program is designed so that virtually all necessary information is presented continuously on the screen. The horizontal and vertical scales are shown on the sides and control is by means of the function keys. Two drawings can be manipulated simultaneously to allow you to use library drawings as the basis for new drawings.

**PC5057A PC TRACE DISK 1:** Computer Aided Design program for printed circuit boards. It contains board layout routines that should be adequate for most purposes. It also contains a full featured autorouter that averages around a 93% completion rate. It supports IBM compatible, Epson compatible, HP Laserjet II compatible, or postscript printer. Allows 1X and 2X output for use in making PC boards, sophisticated component and connection entry systems, variable pad and trace sizes, support for single and double sided boards, and more. Requires 640K RAM. Supports a mouse if available, though not necessary. Requires PC5057B.

**PC5057B PC TRACE DISK 2:** Second disk of the PC TRACE program. Contains documentation and sample file for use with program. Requires PC5057A.

**PC5070 NUTS AND THINGS:** Collection of 96 drawing files for use with AUTOCAD. Most of the files are drawings of various pieces of hardware which are frequently used by designers and drafting personnel. The drawings include nuts, flat washers, screws of various types, etc. Each drawing is an individual "block" and can be called up and positioned by the user to satisfy the requirements of the drawing being developed.

**PC5071 AUTOCAD ARCHITECTURAL DRAWINGS:** Collection of architectural symbols in .DWG format. Includes conference table, cabinets, sofa, tables, desks, wardrobe, swivel arm, chairs, and many more.

**PC5072 AUTOCAD ELECTRONIC DRAWINGS:** Collection of 39 electronic symbols in .DWG format. Includes ICs, DIPs, capacitors, crystals, diodes, LED, resistor, and more.

**PC5073 AUTOCAD TILE DRAWINGS:** Collection of tile and brick symbols in .DWG format. Based on latitecrete specifications, these symbols would be of use in architectural and building work.

**PC5080 LOADIT! AUTOCAD UTILITY:** Program provides a complete environment for AutoCAD users. With Loadit! you can perform many tasks that can be time consuming or cumbersome using the current AutoCAD interface. The options include create new drawings, create new drawings by prototype, edit existing drawings, create and edit Lisp files, script files, and much more. Context sensitive help is provided for each menu, and a mouse can be supported.

**PC5081 TOOLMASTER:** Program provides a vehicle for Tool and Machine designers and Draftsmen to "drive" AutoCAD toward maximum performance. It incorporates an 11" X 11" overlay for a digitizing tablet. This overlay drawing of fourteen logically grouped modules is populated by one-half inch squares. Each of the more than 350 squares performs some AutoCAD macro or customized AutoLISP programmed routine. Useful for many AutoCAD applications.

**PC5200 PRINTMASTER TOOLS:** Collection of utilities designed to enhance the Printmaster program available commercially. Enables you to print a listing of icons contained in a library, display the icons on the screen so that they can be captured with a screen capture program, and convert a group of icons into a Windows Paint format for use in desk top publishing packages.

**PC5202 PRINT GALLERY:** Program designed to read, write, convert, and print PrintMaster, PrintShop, and NewsMaster graphics. Also allows you to view graphics on screen. Good for producing hard copy of your graphics libraries, as well as converting files. Supports all graphics video systems, and can be used with a mouse.

**PC5203 PMSLABEL:** Label printing program that allows you to use PrintMaster and PrintShop graphics. Program allows you to select the graphic required, view it on screen, print multiple labels with up to 5 lines of text per label, and more. Even includes the source code in Turbo Pascal. Works with Epson compatible printers.

**PC5302 WINDOWS PAINT SHOP PRO:** Excellent new graphics conversion program that runs under Windows. Allows conversions between many formats including PCX, IMG, TIF, BMP, GIF, MAC, and many more. Allows for grey scaling of colour images, flipping, mirroring, dithering, and much more. Extremely powerful Windows tool for any one who uses graphics files on their PC. Requires Windows 3.0 or higher.

**PC5303 GRAPHICS WORKSHOP:** Major upgrade to this popular graphics conversion program. Program allows you to convert between any two image file formats, view files in any of the supported formats, print image files to a laser or dot matrix printer, reverse monochrome image files, convert colour images into halftones, dither colour images to black and white, rotate image files in ninety degree increments, flip images vertically and horizontally, and scale images up or down. Graphic Workshop features an intuitive user interface. It offers batch processing for handling multiple files. Supports MacPaint, GEM and Ventura IMG files, PC Paintbrush, GIF, TIFF, Encapsulated Postscript, WordPerfect Graphics WPG, Microsoft Paint, IFF/LBM Deluxe Paint, BMP used by Windows 3 and PIC formats. Takes advantage of extended or expanded memory. Requires 512K RAM and a Hard Disk.

**PC5304 GRAPHICS CATALOGUER:** Major upgrade to GRAFCAT from Alchemy Mindworks. Program allows you to create a visual catalogue of graphics files you have, allowing you to quickly check out your graphics collection to find the one you want. Supports Macpaint, GEM/IMG, PC Paintbrush, TIFF, Microsoft Paint, Deluxe Paint, EPS with preview, WordPerfect Graphics WPG, Windows 3 BMP, and GIF files. The program prints sixteen files per page to a HP Laserjet or Postscript laser printer. Mixtures of file formats can be printed to the same page.

**PC5305 VUIIMAGE:** Excellent graphics file display and printing utility. Provides fast display of GIF, PCX, and bilevel or greyscale TIFF files. Prints files with seven dithering options to laserjet or dot matrix printer. Handles large files easily and allows you to zoom in or out. Supports all graphics modes ranging from CGA and Hercules to Super VGA. Automatic or manual scaling option, contrast and brightness control, allows you to select a list of files to be displayed, and much more. Menu driven and very easy to use. \*NEW\*

**PC5306 GEMCAP SCREEN CAPTURE:** A terminate and stay resident (TSR) program that captures screen images from other programs, and saves them in a GEM .IMG format file, which can be used by Ventura and Word Perfect, or converted to almost any other format using utilities like Graphics Workshop. GEMCAP supports a variety of display adapters from CGA to VGA in full graphics mode, but does not support graphics on Hercules monochrome systems. Will capture graphics and text screens, and on EGA or VGA systems in text mode, will use the RAM resident font to convert the screen to a bitmap. \*NEW\*

**PC5400 OPTICAL CHARACTER RECOGNITION:** Powerful Optical Character Recognition (OCR) program. Input can be provided from a HP Scanjet or from a TIFF file produced by any other scanner. It recognizes both mono-spaced and proportional spaced fonts and adjusts automatically from 8 to 30 point. The program can be trained to learn unrecognised shapes or new fonts if you have a EGA or VGA system, otherwise a graphics card is not specifically required. It can read text at a speed of up to 200 words per minute.

**PC5500 EGA FRACTAL MASTER:** Explore the world of fractals with this interesting program. Program allows you to create, save, and modify several different types of fractals such as Mandelbrot sets, Julia sets, Dragonland, and self-squared dragons. For all the different types of fractals you have the choice of using integer or floating point computations. You can view your creation on screen as it plots, and you can pause the display at any time and manipulate it by changing colours, animating the colours, zooming in, and much more directly from the display menu. Requires EGA/VGA graphics system.

**PC5502 MANDELBROT MAGIC:** Program produces colour displays of the Mandelbrot Set and Julia Sets based on Fractal geometry. With Mandelbrot Magic you can create a new slide or load and view an existing slide from disk. The program runs on virtually any colour monitor from CGA to VGA. The program offers three automatic colouring algorithms, or you can select the colour of any point as well as the colour palette. The program also features different animation techniques which make the slide appear to move. You can zoom in on the fractal to view the exquisite details of fractals, and create a slideshow of up to 20 slides.

**PC5503 FRACTAL GRAFICS:** Drawing program with many unique features. As with any drawing program to use the mouse or keyboard to create pictures on screen. With Fractal Graphics you have a new powerful drawing tool called a fractal template. You use the template to create spectacular drawings with real life like features and a multitude of colours. Also acts as a Mandelbrot generator. Extensive control through mouse or keyboard. Create seed object, define colour, shape, fill patterns, number of levels, and much more. Templates can be saved and loaded, and images can be saved as PCX files. Good documentation and extensive on line help as well as many sample files make this an intriguing program for anyone interested in graphics and fractals.

**PC5504 VGA MANDELBROT DESIGN:** Program that will allow the user to explore the fascinating world of mandelbrots. The program gives the user total control of the area to be explored and how to display that area. Context sensitive help screens are available throughout the program to explain the various options and settings by pressing the F1 key. Program uses multi pass drawing algorithm using 4 passes to complete a plot. Plots can be stores in a PCX format file. The user can control the plot in many ways including changing the palette colours, the number of iterations, and more. Requires VGA graphics system. \*NEW\*

**PC5505 FRACTAL IMAGES:** Australian program designed to display on screen Julia sets, Fractal Triangles, and Mandelbrots in the highest resolution capable by your system. Supports from CGA to VGA, with up to 256 colours on VGA displays. Also allows you to save the files, view them at different resolutions, and manipulate the parameters used to define the graphics. \*NEW\*

**PC5506 EGA RECURSIVE REALM:** Fast, multi featured fractal exploration tool designed with the user in mind. A mathematical education is not required to explore the stunning fractal images. Build and explore the Mandelbrot set, Julia sets (5 equations), Newton's method (14 equations), or models of magnetism (2 equations). Use a mouse or keyboard to zoom in and blow up any portion of an image. Pictures can be saved at any stage of development and continued at a later time. Pictures are saved in PCX format. To add to the fun, project the fractals onto a 3-D plate, block, or sphere, or build fractal jigsaw puzzles. All options are chosen from an easy to use menu with help available at all times. Requires 512K RAM, two floppy drives or a Hard Disk and EGA/VGA graphics system. \*NEW\*

**PC5601 FLOWCHARTER:** Program designed to provide the user with the capability to easily produce flowcharts using simple commands which are then translated into the actual flowchart symbols and output to a dot matrix printer. Ideal for programmers this program allows you to easily modify your flowcharts without having to redraw the entire chart.

**PC5602 KDGRAF:** Full powered menu driven business graphics package for EGA/VGA systems. Allows you to produce Bar graphs, 3D bar graphs, line, and 3D line charts, as well as pie charts quickly and easily. Graphs can be saved and retrieved, and printed to Epson compatible dot matrix printers as well as HP Laserjet as well as Calcomp Colormaster plotters. Data is entered directly to a spreadsheet like screen. handles up to 6 sets of values, each with up to 60 values. Charts can be augmented by grids, titles, and up to 9 notes positioned anywhere in 6 font styles and 5 sizes. Requires EGA/VGA graphics system.

**PC5620 EASY CHART:** Easy to use program designed to simplify the generation of complex system flow and hierarchical charts. The software reduces the task of creating symbols such as decision boxes, process boxes, listing boxes, and file boxes to moving the cursor to where you want the box to be and pressing a key. Unlike other charting programs, this program does not use graphics to draw charts. Instead it uses characters available in the IBM Extended Character Set. This allows you to store files as simple ASCII files allowing you to easily import the file into other applications.

**PC5621 PRONTOGRAPH:** Program designed to make the task of producing business graphs easy. It is a "three layered" package because of the way the PRONTOGRAPH images are stored and drawn. At the "bottom" of each image is the graph itself. The graph is entirely defined by the numbers entered and the menu selections selected. The next layer is the Paint layer. This layer is composed of lines and boxes drawn using the paint commands. The top layer is the Write layer. This is additional text that you can add anywhere using the write commands. Graph types are Bar Graph, Line Graph, X-Y Graph, and Pie Graph.

**PC5750 BARCODE GRAPHICS GENERATOR:** Create barcodes using your printer and this excellent program. Uses the code 3 of 9 system which allows for full alphanumeric coding. Comes configured for IBM Graphics and Epson Graphics compatible printers though can be configured for other printers.

**PC5751A BARTENDER DISK 1:** The BARTENDER system is intended to allow you to print bar codes from within any application. It is a memory resident system featuring ten different bar code systems, using from 17 to 30K of RAM. Bar codes printed include UPC-A, UPC-E, 3 of 9, Extended 3 of 9, EAN/JAN 8 and 12, Interleaved 2 of 5 and more. You can select the type you want easily from the programs full featured control panel. Height can be from 1/10 inch to 1 inch on eight different printer types including Epson 9 and 24 pin, HP Laserjet, Postscript laser, IBM Proprinter and Okidata Microline, and up to six across on a page. Requires PC5751B.

**PC5751B BARTENDER DISK 2:** Second disk of the BARTENDER system contains supplementary files required by program. Requires PC5751A.



**PC5800 PC DEMONSTRATION SYSTEM:** Program provides way for you to make program demonstrations, prototypes, and other types of presentations. Includes a screen formatter to create screens for your presentation, a demo maker which allows you to produce a sequence for your screen and provide valid keys to allow your presentation to progress, and a run utility which actually runs your demonstration.

**PC5801 SLIDE PRESENTATION SYSTEM:** Graphics processor that provides a means for creating sequences of images and sound that may be used for store displays, for instruction, or for business presentations.

**PC5802 CINEMA:** Slide show program for image files of all types. It allows you to create a list of the images you'd like to look at, and have Cinema generate a rolling display of them which can run without human intervention. Cinema will drive virtually any of the popular display cards. Works with graphics files in MAC, PCX, IMG, GIF, TIF, WPG, and IFF/LBM (Deluxe Paint) format. Includes an easy to use script language which will allow you to create slide shows which are as simple or complex as you like. It provides for loops, subroutines, and several other useful functions which help you build a slide show quickly and easily.

**PC5803A SHOW PARTNER LITE DISK 1:** Excellent full powered presentation system which has previously been available as a retail package, and has now been released as shareware. Built around 5 tools for producing and displaying presentations this program can be used to effectively get all kinds of information across to your audience. Tools include Capture, a TSR to copy images from other applications for use in Show Partner Lite. Also includes a Windows screen capture program, and can convert black and white text screens to colour. SLED, the Slide Show Editor allows you to assemble Show Partner Lite pictures into an effective presentation with user defined sequences, timing, and screen effects. SED, the script editor allows you to prepare the final outline for your presentation with more complex sequences than SLED can produce. With SED you can display parts of images, add sound effects, and add flow control (branching) to your script. GED, a full featured paint program which allows you to edit and prepare captured images for use in presentations. SHOW, the royalty free runtime module that puts it all together. runs your presentations from the DOS prompt. Utilities include a program, to convert PCX files to and more. Many sample files are included. Requires PC5803B.

**PC5803B SHOW PARTNER LITE DISK 2:** Second disk of the powerful presentation system. Contains supplementary files required for the use of Show partner Lite. Requires PC5803A.

**PC5805 BLACKBOARD:** Excellent multi media program incorporating sound effects, music, pictures, and text all in ASCII **VECTOR GRAPHICS** so large amounts of information can be put on a single disk. Features of this tutorial creating program include the ability to combine text and graphics on screen, the ability to keep graphics files down to very small sizes allowing tutorials to fit on single disks easily, the use of ASCII text files to store graphics commands and vectors means the end user can search for any text within any picture - an automated index. Sound effects and music composition can be easily incorporated into presentations, and the use of high res monochrome CGA graphics means that the finished product can be used on almost any PC. Two run time programs are included as well as a number of sophisticated tools. Requires 512K RAM and a mouse. \*NEW\*

#### COMPUTER HELP

**PC6000 PC TUTORIAL:** TUTOR.COM is an excellent minicourse in microcomputers. In a series of nine tutorials the program leads you through use of the computers keyboard, an introduction to computer terminology, the most often used DOS commands, DOS subdirectories, batch files, an introduction to programming, and a side strip through the history of computers. Tutorials are interactive, requiring you to answer questions as you go to aid in learning. Significant update of a very popular program.

**PC6001 HELPME WITH DOS:** On screen help for most of the important DOS commands. Select the DOS command from the menu and the program provides information on what the command does, how to use it, and even examples.

**PC6002 HELPDOS:** Program is a "Help System" for using DOS. HelpDOS consists of menus, detail reference information, a technical dictionary, and a cross reference feature called "Hints". These components work together to show you, quickly and easily, what DOS can do and how to use it. Menus give an "at a glance" overview of DOS Commands, special keyboard keys, and batch subcommands. The menus show you what DOS can do. You can get detail reference information by selecting the command from the menu. The technical dictionary explains terms commonly used in DOS and the PC world, and the Hints menu shows categories of actions you can take with DOS. Useful for beginners and experienced DOS users alike.

**PC6003 DOS SUMMARY:** Program that shows summary descriptions of DOS commands through version 4.01. If started with a valid DOS command as a command line parameter that command's summary screen is immediately shown. Otherwise you have the choice of selecting the relevant command from an alphabetic menu, or a menu of DOS commands grouped by function. When viewing a command summary screen you have the option of paging through all screens if you care to browse.

**PC6004 PC GLOSSARY:** Program provides a means of keeping abreast of the ever changing terminology in the world of microcomputers. Includes hundreds of up to date definitions of terms and acronyms and many useful reference tables such as ASCII character set, floppy disk specifications, computer organisations, DOS filename extensions and many more. Requires 600K of disk space for files.

**PC6005 DOS PRACTICE:** Program designed to develop proficiency and speed in the use of DOS. You must interact with the program as it takes you through the basics of DOS. Context sensitive help is available at the press of a button if needed. Excellent tutorial for beginners and even more experienced DOS users who wish to brush up their skills. Requires Hard Disk.

**PC6006 DOS LEARNING SYSTEM:** Excellent interactive tutorial program on DOS that covers up to version 3.3 and most of the commands in later versions of DOS. With over 300 screens of information this program covers the basic commands used by DOS, and allows you to practice their use to develop DOS skills. It also teaches you how to effectively organise and maintain files and sub directories. Topics covered include hardware, monitor, CPU, floppy and hard drives, DOS, RAM, delete, rename, clear screen, copy, change drives, change directories, make directories, remove directories, and more. \*NEW\*

**PC6007 WHAT'S IN THAT BOX:** Tutorial program using text and graphics to show you how the computer works, and what it consists of. Outlines the mother board, and its major components, shows how an integrated circuit works, about the BIOS, the disk drives, RAM, the video card, and the monitor. Teaches about bits and bytes, and much more. Great educational tool for all PC users. Requires 512K RAM. \*NEW\*

**PC6010 BATCH LEARN:** Excellent tutorial program on the use of Batch files to make your computing easier and more efficient. Good follow on from PC6000 this program takes you from simple batch language files to advanced concepts in batch file production.

**PC6020 HELP:** Online help reference to DOS commands. Can be used as stand alone program or in memory resident state where it can be called up at any time. very useful for all PC users.

#### GENEALOGY

**PC7303A BROTHERS KEEPER DISK 1:** Very comprehensive genealogy program which will help you organise your family tree information, and which will print the information in several ways. You will be able to print descendant charts which show how any one in the file is related to any one else. You can also print ancestor charts, family group sheets, name lists, descendant trees, and customised reports. Requires 384K RAM. Requires PC7303B.

**PC7303B BROTHERS KEEPER DISK 2:** Second disk of Brothers Keeper program includes comprehensive documentation. Requires PC7303A.

**PC7304 FAMILY TIES:** Genealogy program is designed for the organized compilation of personal genealogical information. All of the names entered are automatically linked to each other. Starting with one individual you use the edit mode to enter information. As you enter information the database links the respective persons to provide. This program is recommended by the Church of Latter Day Saints (Mormons) for their genealogy records. Reports can be printed in wide or narrow carriage printers. Provision is made for free form notes to be added to records, as well as comprehensive reporting.

**PC7305 EZ-TREE:** Genealogy program designed to track and report on family trees. Information stored includes name, sex, birth and death date, personal comments, marriage and divorce data and information and more. You can track up to 16 marriages per person, and up to 32 children per marriage. There is provision for the program to handle up to 90 different family trees with up to 150 people and marriages per family tree. Reports allow you to get detailed information on one person, or on all people in a family tree, and a list of all descendants of a particular person.

**PC7306 MICRO-GENE:** Program designed to aid the user in genealogical research. It is capable of storing information on family members and association. Provides means of searching family lineage and printing Genealogical (Pedigree) charts.

**PC7307A FAMILY TREE JOURNAL DISK 1:** Genealogy system that keeps all the normal information required for genealogical research, as well as a one page biography, and five free form fields that can be used for cause of death, occupation, burial place, and other miscellaneous information. It prints nice family trees putting up to five generations on a page, ancestor charts, descendant charts, time lines, and even a list of missing information. Multiple families are handled easily via separate datasets. It can produce a nice book of all the reports with a table of contents, and an index. Also produces a nice 2 sided address book, mailing labels, Ahnentafel charts, and provides a full audit trail and GEDCOM data transfer. Requires PC7307B.

**PC7307B FAMILY TREE JOURNAL DISK 2:** Second disk of the Family Tree Journal system. Contains supplementary utility files, and documentation for the program. Requires PC7307A.

**PC7308 ROOTS MASTER:** Powerful, yet easy to use program for organising family history information. It lets you build a file of relatives so you can view and print ancestors, descendants, family groups, alphabetical lists, birthday lists, longevity analysis, and more. Roots Master allows you to easily enter name, address, birth date and place, marriage date and place, death date and place, and sex for each relative. Once entered you can easily tie relatives together with the proper father, mother, and spouse relationships. Errors can easily be corrected, and warns you of possible duplicates. Program prints out family history worksheets which can be used to help collect family history information. Requires 384K RAM.

**PC7309 WINDOWS PARENTS:** Application that was designed to help make collecting and organising your genealogy easier. With the help of PARENTS, you will be able to more easily gather, store, and view information about all of your ancestors as well as your children and grandchildren. Program allows you to enter and store vital information such as names, birth, marriage, death dates and places, and more. All this information can then be used to produce your family tree, as well as produce detailed reports on any one of your ancestors. Requires Microsoft Windows 2.1 or higher.

**PC7310 CUMBERLAND TREE:** Excellent new genealogy program that is easy to use and provides a number of useful reports. The program automatically tracks relationship between individuals, keeps track of birth, death, christening, marriage, and other information. Also produces birthday lists, and many other unique reports. Requires hard drive. \*NEW\*

**PC7321 PEDIGREE:** Program designed to keep track of dog pedigrees and titles. Program allows you to easily add or change dogs records and create pedigrees and a number of useful reports. Reports produced include three to seven generation pedigrees, seven generation line breeding lists, lines of descendancy, and top producing sire and dam lists. Program is menu driven for ease of use, with on screen help available at all times.

## EDUCATION

**PC8000 AMANDA'S LETTER LOTTO:** Simple game for children 18 months and older which teaches them about the alphabet whilst they learn how to use the computer.

**PC8002 FUNNELS & BUCKETS:** Mathematic learning game for children from preschool to early high. Helps improve skills in basic mathematics by making it fun to learn.

**PC8005 ABC:** Good program for young children to learn letters, numbers, and also develop computer literacy. Uses graphics and music to keep the child's interest.

**PC8006 SPEED READING:** Excellent speed reading tutorial for all ages. Evaluates your current reading speed and helps you increase it. Good for all ages.

**PC8007 FUN LETTERS AND WORDS:** Educational program for pre-schoolers and infant grades. Includes number recognition, counting, grouping, adding and subtracting. Educational value enhanced by the use of animation, graphics, and music.

**PC8008 BALLOON SPELL:** Educational program to help children improve their spelling. You enter lists of words for the children who are then presented with the words in a number of ways to help them learn how to spell them.

**PC8009 SCHOOL MOM:** Educational tool for children ages 4 to 14. Its main options are Maths, Art, Music Composition, and Spelling. There are three different maths options. These are addition and subtraction, multiplication and division, and algebra. The program uses a back to basics approach to teaching but also has some interesting aspects that make it very enjoyable. The art option requires a joy-stick, although the rest of the program functions without one.

**PC8010 ANIMAL MATH:** Cute graphics based mathematics program for the very young. Using animal characters it teaches children to count and simple addition, subtraction, and number sequences.

**PC8011 SPELL GAMES:** Excellent graphics oriented spelling game for all ages. You represent your country in the spelling Olympics. The game displays the word on the screen for an instant and then asks you to spell it. You can select the level of difficulty ranging from very easy for youngsters to difficult suitable for high school students. Use of graphics and music enhances the educational value of the game.

**PC8012 BRANDON'S LUNCHBOX:** Series of educational programs for 3 to 7 year olds. Comprises six educational games designed to help the young child learn letter identification and matching, aid in memory development and problem solving, counting, and basic addition. All these concepts are taught in the context of games to make them more interesting for the child.

**PC8013 MATHS AND LOGIC GAMES:** Six programs that challenge a child's mathematics and thinking skills. The program is aimed at grades from Kindergarten to 6th grade. The programs are all presented in game format so that the child can enjoy them whilst learning. You can play against the computer or against another child. Games include Target Math, Jelly Beans, I Shot An Arrow, Leaky Tub, Math Race and Math As Art.

**PC8014 FACTPACK MATHS TUTOR:** FACTPACK consists of 2 programs that are designed for home and school use. The program provides drill and practice with basic addition, subtraction, multiplication and division facts and are appropriate for grades 1 to 8. The first program, TABLE, uses high resolution graphics to display a blank addition or multiplication table. The computer randomly chooses a location on the table. The student must compute the sum or product and enter it on the keyboard. TABLE can also be run in RACE mode where it becomes very challenging as the student must race the computer to fill in the squares. The second program is called FACTTRACE. It is for children who have a good grasp of the facts and who need to increase their recall speed. The program gives a timed quiz on any combination of addition, subtraction, multiplication, or division facts, and provides a report at the end.

**PC8016 FRACTIONS EXTRA:** New and easy way to practice reducing, multiplying, and dividing fractions. Interactive exercises provide the immediate feedback proven to help students to quickly learn and master mathematics concepts. The program provides multiple levels of difficulty to allow the student to grow with the program, progress report on the student, on screen help at all times, and easy to use menus.

**PC8017 GOOGOL MATHS GAMES:** Combination arcade game and maths tutor. The program covers addition, subtraction, multiplication, and division. The games include a jump and run type game, a snake type game, and a space invaders type game, all with a mathematical bent. Designed for primary to early high level.

**PC8018 WIZQUIZ MATHS TUTORIAL:** Comprehensive competitive exerciser for arithmetic for all levels from infants to high school. The program allows you to select your level and type of questions you need practice on. Types of problems range from simple additions, to divisions with fraction remainders, decimals and percentages, and complex reciprocals with fraction reduction. The program keeps score for you and provides data on average score, best score etc. on file for the parent to check.

**PC8019 BRAIN CHILD MEMORY GAME:** Educational program primarily designed for young children, though suitable for all ages. In the program 40 cards are laid out face down. The players take turns flipping over a pair of cards. When a player finds two cards that match then that player gets to take another turn. If the cards do not match, it is the next player's turn. The program can be used with a mouse, or from your keyboard.

**PC8020 CALCULUS PREPARATION TUTOR:** Good program for those ready to learn calculus and other forms of more advanced mathematics. The program provides revision on trigonometry, algebra, exponents, inequalities, and more. For high school students and those entering tertiary courses in maths.

**PC8021 ALGEBRA TUTOR:** Professor Weissman's Algebra tutor program is a great way for high school students to learn algebra. Covers inequality, order of operations, and exponents, plus more.

**PC8022 THE EQUATOR:** Good equation learning aid for late primary and early high school level. The program helps the student learn the function, use, and application of various general purpose formulas used in the fields of Maths, Finance, and Science.

**PC8023 MATH QUIZZER:** Program designed to encourage kids grades 1 to 6 to do mental computation of simple maths problems. It does this by presenting the problem in a flashcard like format. A running score is kept on the screen to help motivate the child. You can set up the default time for answering the question to allow for variation. You can select the type of problem you want to drill and keep track of the child's progress.

**PC8024 SHOWKEYS:** Simple program for very young children to help them learn to identify letters pressed on the keyboard. SHOWKEYS simply displays the letter for each key hit and highlights it in the display of all characters. It adjusts to take full advantage of your display system. Helps young ones learn the letters of the alphabet, as well as giving them something to do with your computer.

**PC8025 STARBLASTER MATHS GAME:** Educational math game that is an effective tool for children from fourth grade and up. You can tailor the game to select the types of questions to be asked and the problem difficulty level. You must fly your spaceblaster through the hazardous terrain using all the equipment at your disposal. However to make full effect of your equipment you must answer the maths questions asked throughout the game. Good fun as well as educational.

**PC8026 RUNAWAY:** Educational program designed for children between 3 and 8 years of age. Program encourages children to learn the location of keys on the keyboard. The program displays the alphabet across the top of the screen. Then letters at random begin falling to the bottom of the screen. If one of the letters piles up to the top of the screen you lose. By hitting the correct key for the falling letter, that letter is highlighted and removed from play.

**PC8027 MATH TREK 1:** Program designed to make learning basic arithmetic fun for young children. The program asks a series of maths questions, and as they are answered the user advances through an adventure into outer space. Educational game that will help students grasp the fundamentals of arithmetic in a fun way.

**PC8028 WORD GALLERY:** Educational program designed to help children associate the printed word with the object it describes. It provides a set of colourful word-object flashcards. Children aged 4 to 7 will enjoy watching the objects appear on screen as they match the words with their pictures. Takes advantage of the resolution available on your video system, and supports a mouse or keyboard entry. Various levels make for increased flexibility in the use of the program.

**PC8029 BOATBOX:** Series of programs designed to act as a reading drill for ages 3 to 7. Each of the four modules contains 26 unique words. These drills should be played with a monitoring helper. The player receives a word. If he reads the word correctly you progress if not the word is stored and presented again later. Once all 26 words are read a reward comes on screen complete with flashing lights, sirens, and dancing teddy bears.

**PC8030A THS ENGLISH DISK 1:** Tutorial program on English grammar and usage. Program covers the parts of speech, i.e. noun, pronoun, and adjective, verb, adverb, preposition, conjunction, and interjection. These are defined according to their function, and examples from the Bible are used to help in learning. Exercises of varying difficulty are also provided. Requires PC8030B.

**PC8030B THS ENGLISH DISK 2:** Second disk of the THS English system. Requires PC8030A.

**PC8031 JOTTO WORD GAME:** Jotto is a word game that tests your powers of reasoning and logic, not your dexterity. It is designed with several levels of difficulty so both children and adults can enjoy it. You can choose from 3, 5, or 7 letter jotto, depending on your skills. The goal of Jotto is to deduce a word selected by the computer. Jotto will prompt you for each guess, and after each guess will tell you how many of the letters in your guess match the letter and location in the selected word. You must use your logic to determine the computer's word, in as few guesses as possible.

**PC8032 SPELL:** Program designed to help primary and early high school students learn their weekly spelling words. The number of words it can hold is only limited by your disk space. You can enter the words to practice on for use by the program. The student gets three tries to spell the word correctly. After that it puts the word on screen and the student must type it in correctly. Words missed are carried over to the next round. The word display speed can be set to increase the difficulty.

**PC8034 THE STRING GAME:** Game is based on techniques used in the CEMREL Math Program. It encourages logical thought process while strengthening basic math skills. Its use of Venn Diagrams and set theory prepares students for algebra, as well as any course where logic and deduction are required. The program consists of two levels, which cover topics such as multiples and divisors, prime numbers, and negative numbers. The gameboard consists of three intersecting circles, and the player must select where the relevant numbers belong. Good for late primary and early high school students.

**PC8035 WORD WHIZ:** Unique and challenging word game for late primary and high school students. Test your knowledge of the English language by answering the 100 multiple choice questions on the intricacies of word usage. Helps build vocabulary skills, while having fun.

**PC8036A MIGHTY MATH DISK 1:** Program designed to help children and adults learn the times tables as quickly and enjoyably as possible. The program also helps with division, addition, and subtraction tables. It has two play modes, practice and test. Both work practically the same but the test mode keeps track of the time taken and scores your results. You can select from several options, what you want to use as part of the exercises. Requires PC8036B.

**PC8036B MIGHTY MATH DISK 2:** Second disk of the Mighty Math program. Requires PC8036A.

**PC8039 PRO-VERB VERB CONJUGATOR:** Program designed to clarify the syntax of verb usage by using an algorithm approach which students can learn to simplify this complex part of the English language. Also has a quiz to aid in learning.

**PC8040A XYSEE DISK 1:** Interactive graphics oriented computer aided instruction program covering mathematic functions and forms within cartesian coordinate systems. Designed as an insight enhancing system for high school studies in algebra, geometry, and trigonometry. Teaches functions by showing them in graphic form, and covers topics including points and lines, quadratics, trigonometrics, parametrics, triangles and user defined polygons, and much more. Features include a challenging puzzle game to aid learning, context sensitive help screens, printer support, and much more. Requires PC8040B.

**PC8040B XYSEE DISK 2:** Second disk of the XYSEE program. Contains comprehensive documentation and data files. Requires PC8040A.

**PC8042 FICTIONARY:** A game of strange and unusual words which can be used to increase ones vocabulary. Each round a player chooses a word. You can pick a word from the large selection included with the game. Each other player makes up their own definition for the word. Everyone votes for the word they consider correct, and points are scored for guessing the right one. Can be played with from 1 to 6 players. If played by one person becomes a good solo vocabulary guessing game.

**PC8043 FORMULA 1:** Tutorial program designed to aid early high school students. The program covers in detail an introduction to numbers and fractions, as well as quadratic equations. It includes test on these subjects plus tests on exponents and roots, algebraic functions, simultaneous equations, graphs and polynomials. More tutorials are available on registration.

**PC8044 AMY'S FIRST PRIMER:** Six delightful games will give your children a head start in school with the alphabet, numbers, counting, shapes, matching, problem solving, and pattern recognition. Uses colours and sound to keep preschoolers involved with learning. Simple to use, this program is based on the concept of positive feedback to educate the child by patiently waiting and helping the child come to the right answer, and celebrating when they do. Designed for preschoolers and early infants.

**PC8045 ABC FUN KEYS:** Educational game for children between the ages of 2 and 6 years old. The game features 38 colourful full screen graphic pictures, action, and lots of nursery rhyme songs. The program includes on screen scrolling lyrics for all 27 nursery rhyme songs. Consists of four different games, an entry level game where a picture is displayed and song is played for each letter and number key pressed, a beginner game where the child must match the letter or number displayed on screen, a more advanced version where the picture is gradually revealed and the child must make the correct match in a limited time, and a child's typing tutor in the form of a game. Easy to use via menu.

**PC8046 WORD OBJECT FLASHCARDS:** Program designed to aid children in learning to associate words with the associated object by the use of flashcards. The program displays a drawing of an object, and the child must select the correct word for the object. Program has help available at the press of the key, and runs from a simple to use menu. Supports any graphics system.



**PC8047 HAPPYGAMES:** Collection of educational games for young children. Sort games based on colour, shape, and supersort based on a number of features helps build logic. Wiggleworms is a game designed to aid eye hand coordination. Wiggleworms requires a joystick. Good introduction to educational programs for children.

**PC8048 SPELLBOUND:** First rate spelling tutor suitable for individual or classroom use. Has both a tutor and a test mode. Tracks student's progress and creates a file of misspelled words. Give both individual and class reports. Allows you to create your own word lists, and has password protection for the teachers tools. Requires 384K RAM and two Floppy Drives, or a Hard Disk.

**PC8049 BRANDON'S FLASHBOX:** Series of 4 programs for 4 to 6 year olds ■ help increase reading and memory skills. Uses boxes with sight words that flash on screen. The child is required to match words with those flashed on the screen. Can be played without supervision, and uses positive feedback to keep child interested in the game. Great use of sound and graphics.

**PC8050 CHEMICAL:** Molecular modelling program to aid in the formation of three dimensional diagrams ■ chemical molecules. Shows the shape and structure of the molecule on screen along with relevant information.

**PC8051 VIDEOCHEM:** Educational game for secondary students studying chemistry. Teaches chemical valences and bonding in an interesting and fun way.

**PC8052 EGA CHEMVIEW:** Molecular animation program that shows a three dimensional rotational view of a molecule which you can construct using the companion program CHEMICAL (PC8050). Excellent aid in the learning of chemical structure for high school, and early university students. Requires EGA/VGA graphics system.

**PC8053 ELEMENT STUDY AID:** Program designed to aid students in learning the details of the Periodic table. The program displays information about the 106 chemical elements, including the name, atomic number, atomic symbol, weight, valence, specific gravity, melting and boiling point. Allows you to test yourself on name, symbol, and atomic number.

**PC8054 CHEMQUIZ:** Element quizzer designed to help students learn the periodic table. The program can either quiz you randomly on all the elements of the table, or confine itself to the 51 common elements. When you enter the answer the program provides you with more details on the element including details of the discovery of the element. Other features include a short glossary, and an online periodic table.

**PC8055 ELEMENTARY PHYSICS 1A:** Three part program introduces the student to the elementary concepts of static forces and moments. The first part is on coordinate systems, the second part on vectors, and the third on statics. Designed for high school students, you can use this program at your own pace. Graphics are used throughout, and it can take advantage of high resolution systems, as well as the lower resolution systems, and even Hercules.

**PC8056 BUBBLE CHAMBER:** Based on the classic physics experiment this program graphically represents a classical model of reality to permit observation of the theoretical behaviour of particles or planets. While viewing the chamber, the user may interact with the environment by pressing certain keys which will alter the magnification, position, speed, and direction of the particles. Allows one to examine Newton's three laws in action, as well as Galilean invariance during Spatial translations. Excellent learning aid for mid to senior high school physics.

**PC8058 CLOCKGAME:** Game designed to teach pre school children how to read a clock. There are five games. The first four deal with matching. The target time is written in standard decimal notation, then the child moves the clock hands until the time on the clock corresponds correctly to the decimal notation. At this stage, if the ENTER key ■ pressed, the child will receive an aural and visual reward. The game becomes progressively more difficult. The fifth game is a free play where the child may move the hands however they desire, and the decimal display will show the time they select. Disk also includes the Pascal source code.

**PC8059A ELECTRONICS TUTORIAL DISK 1:** Comprehensive tutorial on AC and DC circuits and electronics suitable for high school, and early tertiary level students. Includes problem examples graphically represented with schematic diagrams and formulas. Easy to use. Requires PC8059B.

**PC8059B ELECTRONICS TUTORIAL DISK 2:** Second disk of the Electronics Tutorial system. Contains necessary files for use of the program. Requires PC8059A.

**PC8060 CALFACTS MATHEMATICS:** Program designed for revision and self regulated learning of mathematics for early high school level. Covers Numbers, Computation, Applications, Proportion and Variation, Graphs, and Formulae. Designed by a college lecturer in the UK, the content of the program has been designed to provide an effective but enjoyable educational resource. Requires 384K RAM.

**PC8061 CALFACTS COMPUTER STUDIES:** This learning revision program addresses topics under the following general headings: Basics, Information Systems, Hardware, Machine Representation of Data, Files, Systems Analysis, Data Input, Output Design, and Documentation. As with the other Calfacts programs material presentation is properly sequenced, understanding is interactively tested at regular intervals, and progress is recorded. Requires 384K RAM.

**PC8062 CALFACTS PHYSICS:** Program provides coverage of elementary physics for high school students. Covers basics of physics, linear motion forces, work, pressure, energy, heat transfer, specific heat, and expansion. Fact reviews, essential summary notes with diagrams of each syllabus keypoint leads into an interactive question and answer session, where if necessary, extra guidance is given before continuing. An updated score and percentage success rate is provided at regular intervals, along with the time spent on the current revision session. A rigorous approach to the subject, combined with a novel presentation and working method provides a real enhancement to traditional revision techniques. Requires 384K RAM.

**PC8063 CALTEST SCIENCE:** PC based multiple choice testing system for integrated science studies for early high school level. Provides number of questions on science and keeps track of the results for the student. Provides statistics for current user, and allows student to resume at the point they previously stopped. Requires 384K RAM.

**PC8064 MOM'S MATH:** Educational tool for children of all ages. Options available include Laser Blast, an exciting game that entertains and teaches quantity and counting. Bug Numbers which teaches the concept of multi digit numbers. Apple Spider, a very exciting and intense game that drills you in basic addition, subtraction, multiplication, and division. Addition, Subtraction, Division, and Multiplication drills with four levels of difficulty, and Pre Algebra Math which introduces mathematical concepts necessary for learning Algebra.\*NEW\*

**PC8065 DINO'S BUCKET DROP:** Good mathematics learning game for primary and early high school students. You can select the type of problems and level of difficulty required. Dino is a cool, smooth monster from the planet Edsof who has been transported to Earth in disk form to help you with your maths. On Edsof there is a fairground where you play bucket drop, a game of skill and coordination. As a player of the game your objective is to prevent DRONGO, the evil wizard from filling all your buckets with equations which he drops through a funnel in the ceiling. To prevent an equation from reaching a bucket you must POP it. To POP it you must type the correct answer to the equation before it reaches the bucket. Requires 512K RAM.\*NEW\*

**PC8066 EGA ANIMATED MEMORY GAME:** Program uses animated pictures to test memory skills. By matching hidden pictures in pairs you win the game and get animated rewards. Many options are provided, selecting from 14 different tile patterns, changing the background, and even a mini movie theatre. Various difficulty levels provide a challenge for all ages. Supports mouse or keyboard use. Requires 640K RAM, Hard Disk, and EGA or VGA graphics system.\*NEW\*

**PC8067 FAST START:** Educational program designed for 3 to 10 year olds. An active program that uses the child's eyes, ears, and hands through practice to learn computer, mathematic, and other educational skills. Teaches children the alphabet, counting, use of the keyboard, telling the time, addition, subtraction, multiplication, and division as well as various songs.\*NEW\*

**PC8068 WORD HIDE:** Based on a word game popular for many decades, this program will hide a list of words that you provide in a random square of letters, placing the words forwards, backwards, up, down, and diagonally. This program is a lot of fun for children and adults alike. Features include saving and retrieving lists of words in data files, custom printouts, and context sensitive help screens. Also included on the disk is CLASS WORD, a version of the program designed for teachers to produce puzzles for classroom use.\*NEW\*

**PC8069A EGA ANIMATED ALPHABET DISK 1:** Excellent animated full colour slide show that help young children learn the alphabet by displaying samples of items starting with the letters of the alphabet. s a little American in content, but excellent animation techniques make this a fantastic educational tool for young children. requires EGA/VGA graphics system, 640K RAM and a hard drive. Requires PC8069B.\*NEW\*

**PC8069B EGA ANIMATED ALPHABET DISK ■** Second disk of the Animated Alphabet program which helped win for its author the Best Educational Software at the 1992 Shareware Industry Awards. Requires PC8069B. \*NEW\*

**PC8070 EGA ANIMATED SHAPES:** Program teaches young children shape and colour identification using a colourful menu system designed for children. Another of Tom Guthery's great animated series this program uses spectacular EGA animated graphics to maintain child interest whilst educating them. Requires EGA/VGA graphics system, 640K RAM, and a hard drive. \*NEW\*

**PC8071 EGA ANIMATED MATH:** Program teaches counting, addition and subtraction with animated rewards each step of the way. Not just a drill, but a tutorial that gives graphic help as needed. The game room can be visited after completing ten questions. As will all the animated series of educational programs, this program includes great animated EGA graphics, and will keep children amused for hours on end. Requires EGA/VGA graphics system, 640K RAM and a hard drive. \*NEW\*

**PC8072A EGA ANIMATED WORDS DISK 1:** Spelling program for children from pre school through first grade. The child is helped to match a word with its picture. When the word is correctly matched, pieces are added to a puzzle. After five correct words the puzzle becomes animated. 50 words and 10 puzzles provide variety. Also supports SoundBlaster, AdLib and Covox sound devices. Requires EGA/VGA graphics, 640K RAM and a hard drive. Requires PC8072B. \*NEW\*

**PC8072B EGA ANIMATED WORDS DISK 2:** Second disk of the Animated Words program from Tom Guthery, winner of best educational software at the 1992 Shareware Industry Awards. Requires PC8072A. \*NEW\*

**PC8081 WORLD 2:** Good geography education program. Draws a map of the world on screen and lets you zoom in on places of interest to see more detail. Areas of interest can be defined by name, or geographic location.

**PC8082 CAPITALS OF THE WORLD:** Challenging game which requires the player to learn the capitals of the world. Players are scored on accuracy and speed. Great educational tool for children as the challenge to beat the computer allows them to learn geography quickly and painlessly.

**PC8083 FLAGS OF THE WORLD:** Educational program for all ages. Allows you to view on screen the National Flags of all 170 independent nations of the world, plus some Flags of dependencies and cities. Information on the particular nation can also be viewed at a press of a button. This information includes the nation's official name, capital city, language and religions, as well as many other facts.

**PC8085 WORLD INFO:** Great educational program which allows the user to display a map on screen, and to display information on countries they select. Information displayed included the country name, capital, population and population density, the largest city, the area in square miles, the languages spoken, and the countries religion. Also includes a number of other features including displaying the world's largest rivers and mountains, and providing an entertaining game of black jack. \*NEW\*

**PC8091 HIDDEN WORDS GAME:** Program generates hidden word puzzles from a list of related words or phrases. The puzzle is displayed on screen along with the word list. You must find the words or phrases on the puzzle. Similar to the circle the word puzzles found in most newspapers and magazines, this game has 9 levels of difficulty to handle all levels of play. Great for spelling and vocabulary help for students of all ages as well as great entertainment.

**PC8092 VOCABULARY MANAGEMENT SYSTEM:** Program designed to help teachers, parents, and students to learn vocabulary and spelling words. It may also be used to learn any related set of words or ideas. Comprises an editor which allows you to enter, change, add or delete words and definitions from word lists. Word Search, used to create and print word search puzzles and anagrams, Test Printer to produce matching tests and word/definition lists, Quizzer, Fortune, and Speller, games modules which use the word lists to produce games based on the word lists. Suitable for all ages, word lists can be customised. Includes a number of sample files based on science, social science, and geography.

**PC8093 TRIFLES TRIVIA:** Good educational type game for one to four players. Includes file with large number of questions. Along similar lines to wheel of fortune although it can also ask questions similar to trivial pursuit. Fun for all the family. You can even add your own questions.

**PC8096 WORDS WORDS:** Word game for all ages. The program selects a five letter puzzle word, and you must try to identify the word in 18 guesses or less. For each of your guesses the program will tell you how many letters are common to the puzzle word. If you solve the puzzle, the program displays a comment or quotation based on the puzzle word. The program uses a dictionary of over 6000 words to make sure you guess real words and not just arbitrary combinations of letters.

**PC8097 HANGMAN:** Based on the old word game played by young and old. You are presented with the mystery word and have 11 attempts at finding the correct letters. However if you don't find the correct word in 11 guesses then you are the hangman, and are responsible for the result.

**PC8098 TRIVIA 2000:** Simulation of the board game Trivial pursuit to play on your computer. The PC version has all the aspects of the original board game plus many enhancements. Added features include the ability to "freeze" games, ability for one player to play alone against the computer, and the ability to make almost any change in the middle of a game. The game can be played with from one to six players. Having the computer keep score and interrogate the answers makes for fairer play. Spelling errors can be accounted for by the program, with a manual override by the players.

**PC8100 JAPANESE TUTORIAL:** Tutorial program designed to teach Japanese vocabulary, grammar, and culture. Provides questions in multiple choice, fill in the space, and matching formats.

**PC8101 CHINESE CHARACTERS:** Good tutorial program on how to write Chinese characters stroke by stroke. Covers numbers and several Chinese words.

**PC8102 BEGINNING JAPANESE:** Electronic flashcards program designed to aid in the learning basic Japanese vocabulary. All material is presented in Romaji, English character representation of Japanese syllables. On the screen examples may be presented in Hiragana or Katakana as well as Romaji. The program presents a number of options for studying and reviewing the material. You can select from Japanese to English translation, test yourself on your knowledge, and vice versa.

**PC8103 FINGERSPELL:** Program designed as a drill for finger spelling. When you learn the manual alphabet of the deaf, one of the hardest skills to acquire is learning to read other people's spelling. This program provides a faithful, tireless practice partner for fingerspelling. It spells words to the sign language student on the computer screen, repeating words on request, at a range of speeds selected by the student.

**PC8105 KAPIAN CHINESE FLASHCARDS:** Great educational program that uses the old flashcard technique to teach the Chinese language. It includes the long and short form of the traditional Chinese characters, as well as the romanised sound in the PinYin dialect used in elementary Chinese readers, and the English translation. Menu driven throughout, the program displays the Chinese characters one stroke at a time, in the correct stroke order. \*NEW\*

**PC8110 HEBREW QUIZ:** Introduction to biblical Hebrew language with tutorial and testing sections. Includes graphic representation of Hebrew characters and words on screen.

**PC8140 DRILLS IN SPANISH:** Spanish language tutorial for serious students and teachers of Spanish. Covers the basics of the Spanish language in a drill type program.

**PC8141 TALKING SPANISH PHRASES:** Interesting program that translates a number of common phrases into Spanish, and actually speaks the Spanish pronunciation through your PC's speaker. Good for those learning Spanish, or for those who want an multi lingual PC on their desk.

**PC8201 FUNNEL MEMORY AID:** Program designed to aid in the memorisation of text. It employs the principles of recognition, recall, and repetition. You create a file using the inbuilt editor of the text you wish to memorise. You can also add remarks and headings to the file if you wish. You then use the text file as the basis of the program. The program provides various methods of helping you increase your memory skills with the relevant file.

**PC8204 TOTAL RECALL:** Complete, computerised learning environment designed to help adults learn and memorise almost any subject. Menu driven for ease of use. You enter up to fifty terms per subject that you wish to learn. The program helps you drill, review, and test on the material quickly and effortlessly. Total Recall automatically keeps track of your weaknesses and gives you extra practice in that area. It helps you organise and manage your learning too, you can print, edit, add, copy, and merge data.

**PC8207A THE GREAT ARTISTS DISK 1:** Excellent Australian produced tutorial on the great artists of the world. Program allows you to almost instantly access a wealth of information on over 90 famous artists ranging from the 13th century to the 20th century. Features of this program include integrated help, mouse support, speech synthesizer support, exploding windows, and more. Details include a biography of the artist, and various details about their work and life. Requires PC8207B.

**PC8207B THE GREAT ARTISTS DISK 2:** Second disk of the excellent tutorial on great artists. Requires PC8207A.

**PC8208 HISTORICAL CALENDAR:** Extensive calendar and timeline program of the history of Western Europe. Gives feast dates, Easter dates, reigns of the popes, rulers of England, France, Germany, and Roman Empire. Also provides information on astronomical events such as equinoxes and solstices, provides lots of data and also translates dates from Icelandic, Jewish, and Muslim dates to Gregorian dates. Covers from 1AD to 2700AD with detailed information from 550AD to 1970AD.

**PC8400 LETTERFALL:** Learn to type whilst playing the letterfall game. Program has 16 levels and is suitable for beginners and advanced users alike. Type the falling word or letters as fast and accurately as possible.

**PC8401 PC-TOUCH:** Program designed to help you practice your touch typing. Provides valuable statistics as you type including accuracy, speed in words per minute, and keystroke counts.

**PC8403 TOUCH TYPING TUTORIAL:** Touch typing tutorial program with a number of good features. Program includes Teach mode with 8 graduated lessons to actually teach you to type. Also included is a Game mode which adapts to the typists skill, forcing the user to type faster whilst enjoying an interesting game. Finally a Speed mode allows you to test your typing speed and accuracy. Also included are a number of practice files specific to legal and medical needs.

**PC8404 QUICKTYPE:** Game type program designed to help polish your touch typing skills. Use any ASCII text file to practice your typing on, and select your typing standard. The program provides feedback on your accuracy, your speed for the last sentence, and your average speed. As your speed increases so does the game speed.

**PC8450 MEDICAL SIMULATION:** Educational program for testing paramedics, medical students, and doctors. In the program you are presented with treatment alternatives in emergency situations and must select the correct course of action. Excellent tutorial for those involved in medical field.

**PC8452 CARDIAC TUTOR:** Tutorial on the anatomy of the heart and electro cardiography. Covers the basics of the electrical system of the heart, and the relevant ECG tracings. Good for medical and paramedical personnel and students.

**PC8453 CRIME LAB:** Excellent tutorial on blood typing based on a game. You must find the suspect by determining his blood type. The program includes a complete tutorial on human blood typing and how to determine the blood type using standard laboratory procedures. Also the program takes you through an animated laboratory session on screen to increase your skills.

**PC8470 DEPRESSION FREE:** Interesting program that offers ideas on depression and various forms of treatment for it, both conventional and unconventional. Topics covered include chronic fatigue, hypnosis, low blood sugar, acupuncture, chiropractic, drug therapy, sleep therapy, and much more.

**PC8471 HEADACHE FREE:** Interesting program that offers a number of ideas on headache and various forms of treatment. The program covers a discussion of the various forms of headache, and cures such as acupuncture, chiropractic, hypnosis, medical, vitamins and many more. Includes notes on diet and its effect on headache, and more.

**PC8472 6 STEP STRESS MANAGER:** Developed by two practicing Clinical Psychologists who specialise in the treatment of stress related disorders, the Self Help Stress Management System is a six step computerised training program for people suffering from stress. You will receive detailed instructions on identifying, tracking, and managing your stressors, and will be trained in the latest techniques of personal physiological/psychological control.

**PC8473 BETTER EYESIGHT:** Interesting tutorial program that teaches you a series of exercises designed to relieve eye strain, and improve your vision. Includes information on how and why the exercises work, and uses great on screen graphics to show you which muscles you will be working, based on techniques used by many natural health practitioners, and some holistic optometrists world wide. Requires 512K RAM.\*NEW\*

**PC8474 FIRST AID TUTORIAL:** Tutorial designed by a certified first aid instructor with many years experience teaching first aid, CPR, and basic life support courses. Areas covered include animal and insect bites, bleeding, burns, cold emergencies, diabetic emergencies, eye injuries, fractures, sprains, and dislocations, heart attack, heat emergencies, nose injuries, obstructions of the airway, poisoning, seizures, shock, stroke, and the order of priority in first aid.\*NEW\*

**PC8475A HEALTH QUEST DISK 1:** Program will make diagnostic and dietary suggestions based upon symptomatology and information concerning dietary input. Since the symptomatology is not perfectly correlated with the physical and psychological difficulties which the program seeks to identify, the diagnostic and dietary suggestions are advisory only. However Health Quest suggestions can quickly identify nutritional areas that are worthy of exploration. Program asks the user a long series of questions to determine the status, and can store this information for future analysis, as well as print out reports on the subject. Requires 512K RAM and a Hard Disk. Requires PC8475B.\*NEW\*

**PC8475B HEALTH QUEST DISK 2:** Second disk of the Health Quest program. Program requires approximately 2 megabyte of hard disk space to install. Requires PC8475A.\*NEW\*

**PC8476 AEROSOFT FITNESS LOG:** Program enables health conscious users to monitor exercise activity. Program allows you to track your personal fitness activities by calculating the aerobic points for 34 types of exercise and calories burned for 49 types of exercise, view exercise history on screen, compare on a monthly basis your aerobic points total totals and cardiovascular fitness levels, print reports on detailed aerobic history, summary of aerobic history, and more.\*NEW\*

**PC8501 TEST:** Program designed to display your questions, accept valid answers, and reject inappropriate ones, and then show the correct answer with an optional comment if required. At the end of the test provides an optional evaluation of the results.

**PC8503 QUIZGEN:** Quiz generating program will create a randomly selected quiz from a master file of up to 150 questions. Different master files can be kept on different subjects. The program allows you to view both the master file and the selected quiz as well as printing out the quiz and the answer key.

**PC8504 PC QUIZZER:** Computer Aided instruction package that allows you to create lessons easily which can be presented to the students using windows which contain options, questions, answer prompts, and help. Graphics and music can easily be added. Quizzes are entered by using a standard ASCII word processor or text editor. Includes a number of sample quizzes.

**PC8505 COMPUTER AIDED INSTRUCTION:** PC-CAI is a computer language specifically designed to allow you to create computer driven tutorials, tests, and demos. It works much like a word processor. You enter your information using the programs built in editor, along with the various commands, and the program produces a ready to run application. Allows you to integrate text and graphics to produce great lessons and demonstrations.

**PC8506 FLASHCARDS:** Electronic flash card system for use in education. You can use the program to produce files of up to 100 cards on any subject you wish, print them, flip through them, shuffle them, answer them, memorise them, and even share them. For many years educators have recognised the usefulness of "flash" cards. FLASHCARDS takes them into the computer age. Excellent for home and school use for all ages. Includes sample file on the use of the programs editor is included.

**PC8507 TUTORIAL WRITER:** Authoring system for Computer Assisted Instruction or Computer Based Training. The educator needs no programming skills to produce tutorials which feature hypertext, menus, help systems, pop up windows, tests, quizzes, colours, sounds, graphics, and much more. No need to learn a programming language as this program handles all the hard work for you. Consists of a integrated development environment in which tutorials are written, and a display or run time module which you distribute with your tutorials. Requires Hard Disk.

**PC8508 QUIZMAKER:** Educational Tool and Trivia Game. the program lets you take quizzes which come in three forms, match the question with the answer, type in an answer to the question, and choose a correct answer from the four or five options. The program has two modules, QUIZMAKE lets you produce your own quizzes, and QUIZPLAY which allows you to run the quizzes.

**PC8509 WHIZQUIZ:** Easy to use multiple choice test program useful for a variety of purposes. WhizQuiz goes beyond most multiple choice quizzes, in that when a wrong answer is given, the program displays up to 15 lines of text. Normally this would be a paragraph or more from the text book that covers the subject. It can also be configured to record the incorrect answers, and the grade.\*NEW\*



**PC8601 THE GRADING ASSISTANT:** Program designed to help teachers record students' grades throughout a period and easily produce student and class average reports. Various marks can be weighted, letter grades assigned, and even produces class roster reports for attendance checks.

**PC8603A BESTTEST DISK 1:** Program designed to make test preparation easy. You can create test items in any standard formats: essay, fill-in, true/false, multiple choice, and matching. Test items can vary in length up to a maximum of 11 lines depending on the type of monitor. The program supports bold, underline, subscript and superscript text, and it allows you to make use of all the characters in the extended ASCII character set, if your printer can handle them. You can save up to 1000 items in any disk file. The program's export function makes it easy to create tests based on items from different files. When you are ready to create a test, all you have to do is to mark the items you want to use, or if you like the program can choose them at random for you. Preview the test on screen, and produce answer sheets for you. Requires PC8603B.

**PC8603B BESTTEST DISK 2:** Second disk of the BESTTEST system. Contains comprehensive documentation. Requires PC8603A.

**PC8604 GRADES:** Complete computerised version of the old fashioned grade book. Keeps track of students scores in each assignment and test, and calculates average as each new score is entered. Program can easily calculate class average, as well as produce class lists by rank, either for each assignment, or on average mark. Up to 48 grades can be kept for each student, and student number is unlimited. You may define up to 21 "letter grades" to be assigned according to the student's average. Includes security option for keeping your grades under your control.

**PC8605A GRADE GUIDE DISK 1:** Versatile program used for the storing, retrieving, and analysing of student's grades. Features include an easy to follow menu system for ease of use, ability to display names, ID's, grades, and statistics in several formats, ability to separate grades into various categories such as exam, quiz, homework, etc., ability to record grades as number scores, letter grades, or both, basing number grades on any maximum value, not just 100, weighting of each grade and category, keep notes about absentee, special requirements and grades, or anything else, rescaling, and the ability to track up to 2000 grades per student. Program can also print report cards, and much more. Requires PC8605B.

**PC8605B GRADE GUIDE DISK 2:** Second disk of the Grade Guide program contains comprehensive documentation for the program. Requires PC8605A.

**PC8610 LESSON PLANNER:** Program designed to help teachers set up lesson plans. Up to 25 files can be edited. On line help is available at the press of the button. Print out the lesson plans for reference.

**PC8611 CLASS SCHEDULER:** Data management program designed to be used by education administrators who have the responsibility of scheduling classes, determining when and where classes meet, and who will teach them. Program keeps track of classes scheduled, when and where they meet, and who is assigned to teach them. The program will detect any conflicting assignments and prevent them. It also provides easy display of the classes currently scheduled as well as those classes scheduled in each room and/or for each teacher. Once this is completed it will print a complete schedule suitable for distribution.

## STATISTICS/MATHS

**PC8800 MTOOL:** Mathematical function interpreter. Using almost any well behaved mathematical function of a single variable program will evaluate the function for any value or range of values of the independent variable, numerically integrate the function, evaluate the derivative of the function for a given value, find solutions and even plot the function.

**PC8803 EASY TRIG:** Powerful yet easy to use program for solving triangles. Useful for a wide variety of scientific, engineering, and practical applications. Requires no knowledge of trigonometry to run. Easy Trig also contains a built in pop up scientific calculator for convenience in using the program. The program will compute the unknown elements of a triangle based on the information you enter. It will also display the formulas used to determine the result. The angles can be entered and displayed in degrees and radians, and a handy shell to DOS option allows you to leave the program to return to DOS temporarily.

**PC8804 MORSOFT CALCULATOR:** Program is a full function calculator for use on your PC. It may be used as an adding machine providing the ability to sum up to 1000 values, each stored in the computers memory "tape" which may be scrolled forward or back, changed, and printed. Also sub and overall totals are retained and displayed on the computer screen and the tape may contain multiple totals. Also calculations such as multiply, divide, and trigonometric functions are provided, and the results may be added or subtracted to the memory tape. In addition a memory constant feature is built in and values may be added subtracted, multiplied, or divided to or from the constant as they are entered. Values may be entered and retained in either decimal or hexadecimal. Program is accurate to 12 places.

**PC8805A MODEL MATE DISK 1:** General purpose mathematical modelling program which simulates continuous models of differential and/or algebraic equations. The mathematical models may be written by you in a text file which is then compiled and evaluated by Model Mate at run time. The results of the simulation may be graphed using the Graphics Procedure option, printed, stored in a file, or sent to a plotter. Requires 640K RAM and a Hard Disk. Requires PC8805B.

**PC8805B MODEL MATE DISK 2:** Second disk of the Model Mate program. Contains documentation and supplementary files. Requires PC8805A.

**PC8806 CALCPLUS:** A computer version of a hand help calculator, specifically a Reverse Polish Notation calculator such as those manufactured by Hewlett Packard. This program contains significantly more than what the calculator does. Features include a 20 level stack which can be manipulated in many useful ways. mathematical operations can be performed on the bottom of the stack or on the whole stack. Also 20 columns of memories, each containing 20 rows which can be accessed as a mini spreadsheet. The contents of the stack or memories can be printed out in well formatted tables with titles, column headings, and row headings. Contents can be saved and recalled from disk.

**PC8807 MERCURY:** Program solves mathematical expressions, system equations and roots of an equation, can maximise or minimise a function with or without constraints. Evaluates derivatives and definite integrals. A built in editor for entering the multiple level equations makes it quite easy to use. Features comprehensive on line help. Solves equations, gives residuals and derived equations, recognises all normal trig and other math functions. Produces plots to any graphics monitor at the highest resolution possible and to any of a huge selection of graphics capable printers. The iterative process is quite quick, but it will use a maths co processor if available. Graphs can be titled with two lines and the axes can be scaled and fitted. Instructions and C language source code are even included so that you can add your own custom mathematical functions. Requires 640K RAM and a Hard Disk.

**PC8808 SURVEY:** Program analyses surveys with multiple choice answers. Up to 100 questions of up to 30 choices each can be analysed. All data is held in memory for fast operation. Handles up to 9 demographic groups. Prints summaries for all responses, responses from each classification, and responses from those outside the classification. can correlate between two different questions. Reports are provided in a format that can be used directly. Program includes comprehensive documentation and sample data.

**PC8809 STATISTICAL CONSULTANT:** Expert system designed to assist you in selecting the appropriate statistical test from your problem. The system will ask you a series of questions starting with how many variables do you have, responses to questions leads to the identification of a particular technique. Most questions are phrased yes/no responses. Based on "A Guide for Selecting Statistical techniques for Analyzing Social Science Data" this program is very useful for anyone involved in statistical analysis.

**PC8812A FREESTAT DISK 1:** Fully interactive statistical package that enables you to analyse simple statistical problems and to conduct basic hypothesis testing. The program allows you to conduct a wide range of statistical procedures, such as a wide range of parametric and non parametric hypothesis tests, obtain numerous confidence intervals, conduct several types of simple regression analysis, compute possibilities associated with a variety of continuous and discrete distributions, and compute various measures of association. Program is very easy to use and user friendly. Menu driven throughout and on screen help make this program suitable for users of all levels. Requires Hard Disk. Requires PC8812B.\*NEW\*

**PC8812B FREESTAT DISK 2:** Second disk of the FreeStat program. Contains essential fields for the installation of the program. Requires PC8812A.\*NEW\*

**PC8824 MATHPLOT:** Set of graphics aided programs designed to help scientists and engineers analyse data. Routines are included for least square fitting polynomials to sets of data points, solving simultaneous linear equations, numerically integrating a curve defined by a set of data points, calculating simple statistical parameters for data sets, and for calculating the coefficients of a Fourier series for a periodic function described by a set of data points. Programs are also included for calculating and plotting Fourier Spectra and Bessel functions. Graphics are used and are suitable for all graphics systems.

**PC8825 LEASTQ CURVE FITTER:** General purpose curve fitting program designed to find the coefficients of a polynomial function. Data is entered as a series of points defining the x coordinate, y coordinate and the experimental error or uncertainty. The program then calculates the coefficients of the polynomial to fit the curve. The program uses the least square method of curve fitting. Data can be entered as a data file, or directly from the keyboard once the program has been started. Up to 400 data points are allowed. Data can be edited once entered to allow for correction of errors. The program allows up to twelve coefficients of fit, although you can set the number of coefficients you wish to define. The program will plot your curve on screen. Also included is the source code in Turbo Pascal. Requires EGA/VGA graphics adapter.

**PC8826 KWIKGRAF:** Graphing program suitable for statistical work as well as business graphics. Uses standard Dbase .dbf files as well as standard ASCII files, and analyses the data. You can use your own .dbf files or enter data directly into the program. From your data you can easily produce piecharts, pictograms, histograms, 3-D bar charts, scatter plots, time series plot.

**PC8840A KWIKSTAT DISK 1:** Graphics oriented scientific statistical analysis program. It can import ASCII and dBase files as well as building its own database. Menu driven, able to produce histograms, scatterplots, 3-D Bar Charts, and box plots as well as computing most statistical functions. Requires PC8840B.

**PC8840B KWIKSTAT DISK 2:** Second disk of KWIKSTAT program. Requires PC8840A.

**PC8842A SUPERSTAT DISK 1:** Statistical package designed for analysing the results of market surveys and polls. The analysis provided is very complete. Up to 25 variables and 50 data columns are allowed. Graphics are provided in the form of bar and scatter charts. Requires PC8842B.

**PC8842B SUPERSTAT DISK 2:** Second disk of the Superstat package. Requires PC8842A.

**PC8843 PROTAB STATISTICAL CALCULATOR:** Easy to use statistical calculator for fast quantitative analysis of small data sets. The tools available include single and paired distribution, ANOVA, correlation and regression, and crosstab analysis. No programming required, just enter the data and PROTAB does the rest.

**PC8844 STAT-SAK:** The Statistician's Swiss Army Knife. This program is a tool for anyone who regularly analyses data. Designed for those who have access to comprehensive micro or mainframe statistical packages, STAT-SAK does not perform calculations that require access to the original observations. However it acts as a useful adjunct to such applications. It calculates normal distribution, t distribution, chi square distribution, F distribution, Binomial and Poisson distributions, as well as tests of independence and homogeneity of proportions in two dimensional contingency tables, Pearson chi-square statistic, with Yate's continuity correction in the case of a 2 by 2 table, Fisher exact test, Mantel Haenszel test, McNemar's test, Correlation coefficients, Bartholomews test for increasing proportions and increasing normal means, and more. Also includes source code in Fortran.

**PC8890 CONVERT:** Program performs unit conversion for mass, length, area, volume, force, pressure, density, energy, work, power, and others.

## RELIGION

**PC8900 BIBLE-Q:** Quiz type game designed to challenge your factual knowledge of the Scriptures. Educational as well as fun. Covers Old Testament, New Testament, Geography, and Life of Jesus.

**PC8901 BIBLEMEN:** Educational game that teaches you as you play. You are given hints and you have to choose the right person.

**PC8902 BIBLE STUDY HELPS:** Menu driven text summary of a number of bible topics including parables and miracles of the bible, harmony of the gospels, and old and new testaments.

**PC8903 JESUS SAYS:** Interactive program that carries on a "conversation" with the user. It has an adjustable reading speed for slower readers. The user is prompted to enter a sentence and the program responds with a quote from the bible.

**PC8906A BIBLE QUOTES DISK 1:** Wordworker, a comprehensively cross referenced file of the New Testament. Almost 8000 verses are included with almost 15000 cross references. Requires PC8906B.

**PC8906B BIBLE QUOTES DISK 2:** Second disk of the Bible Quotes program. Requires PC8906A.

**PC8907 PROBLEMS:** Bible cross reference index that offers numerous Bible verses including the book, chapter, and verse, on a wide range of topics, especially common problems. You can display, print, add to, or delete verses as you like.

**PC8908 BIBLE COMPANION:** Program designed to assist you in your study and reading of the Bible. It can be used alongside any translation, however it was written with the King James version specifically in mind. Each day two Bible readings are highlighted, based on the current date. The "Maps of the Holy Land" option allows the user to locate many of the topographical features of Biblical Palestine, whilst the on line dictionary is designed to assist the average reader in understanding the many archaic and obscure words in the King James translation, and the quotations are taken from that edition.

**PC8909 SCRIPTURE QUEST:** Program designed to test one's knowledge of the Bible. Questions dealing with Bible word meanings, doctrines, prophecies, commandments, history, biography, and geography amongst many topics. The program is based on the

**PC8910 COMPUTER AIDED BIBLE STUDY:** More than just another Bible study program, CABS offers the capability of creating your own approach to Bible study. Able to link scripture with music and graphics. This version contains a Bible study tutorial on the Letter To The Colossians and a study on the nature of the Bible. Requires Hard Disk and 512K RAM.

**PC8911 MARKI+:** Hypertext Bible study tutorial on the Gospel of Mark. Scripture, commentary, self instruction activities, and transliterated Greek text are instantly accessible through the hypertext links of the program. The program can be used in memory resident mode, or as a stand alone application. Requires 512K RAM.

**PC8912A BIBLE TOPIC MANAGEMENT DISK 1:** Program provides a convenient way of maintaining and managing Bible topics and references for personal or professional use. Allows user to keep track of Biblical topics and sub topics and their sources, with the ability to add notes, and produce personal concordance reports. Also ministers can use the program for producing outlines of sermons. Requires Hard Disk. Requires PC8912B.

**PC8912B BIBLE TOPIC MANAGEMENT DISK 2:** Second disk of the Bible Topic Management system. Contains supplementary files, and documentation. Requires PC8912A.

**PC8913 BIBLE TUTOR BEGINNERS EDITION:** Program is designed as an aid to learning reciting lessons from the bible. It emphasises learning through questions and answers. It stresses memorising and reciting exact quotations from the bible. The Beginner's edition covers a small amount of only the most familiar portions of the bible: Introduction to the Bible, Books of the Bible, The Ten Commandments, The Lord's Prayer, and the Beatitudes. The program uses the New King James version for most material. It uses the King James version of the Lord's prayer as that version is recited in public worship. \*NEW\*

## MUSIC

**PC9000 COMPOSER:** Graphics based music editor. Allows you to compose, edit and play musical scores easily and actually see the score on screen, and print it to a dot matrix printer.

**PC9001 PLANOMAN V4:** Excellent update on the already great PLANOMAN program. This program turns your keyboard into a electric piano. You can play your tune, record and edit it, insert and delete notes, adjust pitch and length, make global changes, and save/retrieve tunes. The program can produce tunes with up to 63,488 notes on a 640K system. Includes some sample tunes.

**PC9002 PLANOMAN TUNES:** Collection of great tunes for our Planoman program. Over 50 files including some macros to use with the program. Tunes include Entertainer, William Tell Overture, Battle Hymn and many more!

**PC9010 VMUSIC POLYPHONIC PLAYER:** Excellent music player program for use on standard PC. It provides most of the features of the PLAY command in BASIC, as well as the additional features of playing two or three concurrent voices. Also allows for a more complex and bell like sound than BASIC plays. Includes a number of music files.

**PC9011 EGA MELISSA'S MUSIC FLASHCARDS:** Program teaches kids of all ages about musical notes. You can set the type of note that appears on the screens from flats to sharps. The program will acknowledge if you're right with a happy face note or the note will cry if you're wrong. This is a very entertaining way to learn the musical notes. The program was written to add some fun to the drudgery of trying to learn music. You can click on hint and the program will show you the proper note on the piano keys. Very simple to use. Requires EGA or VGA graphics and a mouse. \*NEW\*

**PC9012 MELODY MASTER:** Program allows you to create, save, edit, and play music on a staff using a graphic interface with on line help. You can configure your own tempos, colours, and note lengths. Melody Master can also help you insert music in your own programs whether you are a C, Pascal, BASIC, or DOS Batch programmer. You don't even have to know music as Melody Master has a large collection of ready to play melodies. Supports all graphics systems. This impressive program is suitable for learning music, or teaching it to young students. \*NEW\*

**PC9013 EGA MUSICIANS TOOLBOX:** Unique music program that provides a number of features suitable for musicians. Features include a chord analyser which provides the musical spelling of the chord symbols printed on most sheet music. A guitar chord dictionary which provides a graphical display of the equivalent chord shape for a guitar. An ear training module which plays random intervals and requires the student to select the appropriate description. A metronome that supports all practical tempos and any time signature in either simple or compound time, and a transposer that provides an instant reference for transposition of notes between any two keys. Also included is an instrument information module. Requires EGA/VGA graphics system. \*NEW\*

**PC9014 DRUM BLASTER:** Program turns a SoundBlaster equipped PC into a professional sounding drum pad featuring digitised sound effects. Drum Blaster also works with the PC speaker, but the sounds are not as impressive. Drum Blaster turns your PC keyboard into a drum pad, each key producing a unique digitised drum sound. Includes a number of digital sound samples, with more available on registration. \*NEW\*

**PC9020 POLYPHONIC MUSIC COMPILER:** Innovative new system for allowing three voice music to be played on the PC and compatibles. The package provides several uses of Polyphonic Music for the user. These are a command line controlled jukebox, a batch file enhancer which can play three part music while waiting for a keypress, and a C programming language which allows three voice music to be played within a C program. The program allows you to enter an ASCII file and from it produce a three voice melody to be played through the PC speaker. Also includes AUTOHARP to produce and play an on screen keyboard, a sound effect generator, and a number of library routines.

#### MISCELLANEOUS

**PC9101 MEGAPUPS:** Greyhound handicapping program that is not pre set according to the writer's handicapping preferences. Megapups lets you be the handicapper. You set the values and biases on the race statistics. Your personal preferences are then passed through the program, using the dogs performance history, to graphically show you the race conclusion. Holds up to 150 dog histories, with more available in the registered version. Menu driven for ease of use. Requires 640K RAM and a Hard Disk.

**PC9102 QUICK THOROUGHbred HANDICAPPER:** Program provides a quick and easy way for your computer to analyse past performance information to help pick the winning horses at the track. Program uses five pieces of input to provide the relevant information. Handles races with up to 20 horses, and provide a number rating for each horse. Based on this information you can bet on the horse most likely to win. Like all handicappers this program cannot guarantee a win, but it will improve your odds.

**PC9103 TURBO HARNESS HANDICAPPER:** Handicapping program for improving your odds at the Harness racing track. Provides the gambler with objective data, and calculates the odds for each horse which you can compare with the on course odds to determine whether a horse is a good bet. Takes a number of factors into account to help you improve your chances.

**PC9200 DIET FOR MONEY:** Diet planning program which allows you to enter food type and provides information on calorie, carbohydrate, fat, protein, and cholesterol value. Also provides dietary tables and weight/height tables.

**PC9201 NUTRITION ANALYST:** Program allows for complete nutritional analysis of various types of foods and diets in terms of protein, carbohydrates, fats, cholesterol, fibre, and 15 essential vitamins and minerals. It also produces a customised diet and RDA analysis for an individual based on information entered.

**PC9202 SLIMMER:** Program designed to help you lose weight. The program calculates your ideal weight from data you enter, calculates your ideal calorie requirement, helps keep track of your weight and plots your progress, and provides you with an extensive look-up data base of food types with their corresponding calorie values. Program uses pounds, feet and inches, and calories.

**PC9212 EDNA'S COOKBOOK:** Program for recording, filing, listing, and printing recipes. Essentially, it is the electronic equivalent of the cookbook. The program may also be used in the preparation of cook books for publication since it facilitates organisation and printing.

**PC9213 FAMILY COOKBOOK:** Program provides you with an easy to use system to keep track of your favourite recipes. The first screen shows various categories of dishes, from appetizers through desserts. There are also sections for drinks and for kids. You select a category and the names of the recipes are displayed. Select a recipe and the recipe card is displayed, or you can enter your own recipes.

**PC9216 QUICK RECIPES:** Cook book program with many great recipes to choose from. Designed for those who are sick of spending countless hours in the kitchen, this program provides many quick and easy recipes from around the world. You can choose from American, European, Mexican, and Oriental meals, as well as Salads, Soups, and Variety meals.

**PC9217 MASTER MEAL MANAGER:** Powerful system which combines a recipe keeper, meal planner, and shopping list creator. It even has a nifty automatic meal scheduling module which will randomly pick menus for up to 14 days at a time. Of course you can easily customise its picks to your likings. The recipe database is easy to use. It will hold up to 500 recipes. Also you can produce printed shopping lists for the ingredients required for the selected recipes. Recipes can have up to 12 ingredients, and up to 9 lines of instructions.

**PC9218 MANAGING YOUR FOOD:** Complete food manager designed for food manufacturers, restaurant managers, dietitians, diabetics, and the home shopper. It is easy enough for the novices, yet comprehensive enough for a professional dietitian. The program will track cost, protein, carbohydrates, fat, calories, cholesterol, fatty acids, fiber, vitamins, minerals, food exchanges, and percent RDA. It can output a shopping list arranged by store and aisle, and deduct the quantity from the inventory. The cost and nutritional information, by serving, is automatically figured for each recipe, meal, or plan as it is added or updated. Although it comes with a number of recipes, new recipes and foods can be added easily to extend the program. Program features on line help, pull down menus and a tutorial for ease of use. \*NEW\*

**PC9220 PC BARTENDER:** Fun program provides drink recipes for about 200 drinks and will automatically convert some of those to their non alcoholic version. Recipes adapt to the number of servings required and you can search by drink name or type of alcohol, or by other ingredient.

**PC9221 VINOFILE:** VINOFILE Cellar Master manages your wine cellar and tasting notes. Analyse your cellar by variety, year, origin, peak drinking period, location, and identify future purchases and print reports. Maintain inventory of your collection, locate wines, enter tasting notes using windows and pull down menus. Includes a neat Cross Reference utility, help screens, on disk manual of over 100 pages, and sample files.

**PC9222 SPEAKEASY COCKTAILS:** Database of over 400 cocktail recipes. Allows you to search for recipes by name, or by ingredients. Very useful if you only have limited ingredients, and don't know what to make from them. Assumes you have the basic ingredients of a good bar, and the rest is up to you. \*NEW\*

**PC9250 BACH FLOWER REMEDY FINDER:** Program helps you find the correct Bach Flower Remedy for a number of ailments. Unlike conventional medicine, Bach Flower Remedies use a holistic approach to healing, and depend more on the persons emotional characteristics than their particular symptoms. Interesting program, but we cannot vouch for its effectiveness.

**PC9300 ASTROLOGY:** Excellent program allows you to calculate zodiac sign positions of planets, sun, and moon, as well as cusps. Displays chart as graphic cartwheel format, supports many astrological functions, and can save charts for future access. Even searches files stored for compatible matches.



**PC9314 SKYPLOT:** Program simulates many of the operations of a Planetarium. When given a date and time, a position, and a direction, the program will produce a plot of the sky. The plot will contain the Sun, Moon, and planets, and most of the stars. Once a plot is produced one can change the parameters, and print the plot.

**PC9315 STARVIEW:** View the stars and planets on screen with this program. Can be used with keyboard or mouse if present. Allows you to display stars by spectral class or magnitude, as well as by constellation. You can select time, location, declination and Ascension easily, and zoom in and out of the display. You can select objects by name, Yale Catalogue Number, or position, and more. Suitable for all graphics video displays.

**PC9316A DEEP SPACE DISK 1:** Astronomy program which allows you to accurately plot star maps for any part of the sky, to any scale, for any given day, time, and position on earth. Maps can be plotted with or without constellation lines drawn, with or without labels, and in your choice of projection system. Also allows you to compute an ephemeris for any comet that is discovered, and plot an accurate finder chart. Requires PC9316B.

**PC9316B DEEP SPACE DISK 2:** Second disk of the Deep Space package. Contains data files relevant to disk 1. Requires PC9316A.

**PC9317 SILICON SKY:** Program that turns your PC into a planetarium. Program displays a realistic representation of the celestial sphere as seen from any latitude on earth, on any date and looking in any direction. The program will display the location of the sun, moon, and planets and will show the correct phases of the moon. Finally, it identifies the constellations visible on the screen by marking out their boundaries. Supports resolution up to EGA, and takes advantage of 8087 maths processor if installed, although this is not necessary.

**PC9318 HBASE HERSCHEL CATALOGUE:** On line version of the Herschel catalogue of deep sky objects for those interested in astronomy. You can narrow down the selection of objects visible by you by nominating your location and viewing date. Select by constellation or R.A. or any of a number of other selection criteria. Useful for amateur astronomers to produce a list of observable objects prior to using their telescope to find them.

**PC9319 GRAVITY:** Program designed to allow the user to experiment with the orbits of planets as they may occur in the universe. The motions of planets can be very interesting to watch as each planet affects other planets via its gravitational force. Program allows you to examine the effects of gravity. Useful for students and those interested in astronomy and the movement of celestial objects.

**PC9321 SKYGLOBE:** Very slick star gazing program suitable for all PC systems, yet capable of taking advantage of systems with high resolution graphics systems. You can view the position of the 9 planets, 89 constellations, and 15,000 stars from more than 125 different cities, or from any position on earth you enter. The on screen menu allows you to dynamically control the zoom factor, the brightness of the stars to be shown, the number of constellations shown with constellation lines and names, the direction and elevation of viewing, and many other items. The viewing screen advances through time, or can be incremented at will. Screen can be printed to an Epson compatible printer.

**PC9322 PC TRACK:** Simple but sophisticated means of tracking earth orbiting satellites. It is capable of tracking up to 8 satellites simultaneously in three dimensions. Useful for amateur radio and weather satellite users, science teachers, experimenters, and serious satellite users. Can be used for demonstration purposes, or more serious scientific needs. Features on screen mapping, ground tracking, printed reports, and much more.

**PC9323 ORBITAL:** Program designed to allow any person interested in physics to explore how point mass bodies interact due to gravity. The number of bodies, their masses, initial positions, and velocities are controlled by data values you can enter into a data file. Orbital simulates a boundless two dimensional universe, of which some portion is displayed upon the screen. The program calculates for each body, the gravitational attraction of every other body, and sums them in vector fashion to derive a net force. With each successive calculation a line is drawn from the old position to the new position. In time a track of the body's movement is produced.

**PC9350 NUMEROLOGY:** By The Numbers is an interesting program that uses the theory of numerology to determine a person's personality, strengths and weaknesses, relationships and more. Can store the file for future reference.

**PC9352 PROCON FORTUNE TELLER:** Program designed to provide an analysis of personality based on Western and Eastern astrology. It is designed to produce quick and easy analysis without the need to flip through numerous books and charts. Analysis takes you through various items including positive and negative traits, health areas and how to help them, compatibility with other signs and more.

**PC9354 MAYAN CALENDAR:** Program uses the astrological system of the Ancient Mayans to convert a modern calendar date to its Mayan equivalent, and then give an astrological interpretation based on ancient Mayan astrological techniques. It provides on screen information, and a printout of your horoscope.

**PC9356 FORTUNE TELLER:** A potpourri of divination and fortune telling techniques offers 3 playing card methods, dice, short Numerology readings, and Runes. Includes history and explanation of each method. Also includes an ESP test. Interesting set of programs for people who dabble in this area. Menu driven throughout for ease of use. Requires 400K RAM and a Hard Disk or high density floppy drive.\*NEW\*

**PC9357 CRYSTAL BALL:** Interesting program that introduces you to the world of the psychic computer. This program makes predictions and answers questions with a somewhat enigmatic style reminiscent of the ancient Greek oracles. You can select the subject matter for predictions of personal interest, or ask it questions and read its response. Requires 360 K RAM and two floppy drives or a Hard Disk.\*NEW\*

**PC9358 GEOMANCY:** An ancient system of divination sometimes associated with magic. Creates Astro Geomantic chart based on you area of inquiry. readings can be printed or saved for study. Includes explanation of Geomantic figures and charts. Interesting astrological program that uses a different set of astrological rules to those we are accustomed to. Requires 360K RAM and two floppy drives or a Hard Disk.\*NEW\*

**PC9359 RICHARD WEBSTER PROGRAMS:** Two programs based on the work and research of internationally known psychic Richard Webster. Aura Reading helps you learn what to look for when attempting to see the human aura, and Quick Numerology uses a special method of Numerology popular in Australia and New Zealand to give a quick but pointed personality profile. Requires 360K and two floppy drives or a Hard Disk.\*NEW\*

**PC9360 I-CHING:** The I-Ching, a classic of Chinese literature, is a book of divinations originating in antiquity. Its poetic messages are used both for fortune telling and for insight into humanity's role in the world. By tossing coins or sticks, you create a pattern of lines to form the hexagram to be interpreted. The yin and yang philosophy of the I Ching is ideally suited to the computer. This customisable program lets you edit the text and add comments. Readings can be printed or saved. Requires 420K RAM and 2 floppy drives or a Hard Disk.\*NEW\*

**PC9361 MINGSHU ASTROLOGY:** Program uses the Chinese system of astrology to determine various factors about a person. Enter the name and date of birth of the person in question, as well as the time of birth. The program then displays the Chinese date and time of birth, the Four Pillars of fate which are used to determine compatibility with intended marriage partners, the Wheel of Fortune also known as the cycle of life or Heaven and Earth plate, a description of the year sign, modifications to the year sign taking into account date and time of birth, and a chart of compatibility.\*NEW\*

**PC9362 HORARY ASTROLOGY:** Program calculates the positions of the 10 planets (tropical zodiac) and the 12 house cusps (Placidus, Regiomontanus or Koch) for any date, time, and place in this century. If you have a graphics card, this program displays a cartwheel horoscope and the planetary aspects. The program prints pertinent horary data to screen, disk or to printer. Program includes support for a number of printers including Epson, HP LaserJet, Toshiba, and OKI. Requires 360K RAM\*NEW\*

**PC9370 BIOLOTTO:** Program designed to help you pick your lotto numbers based on your personal biorhythms. After analysing your chances of success based on your biorhythm for the day of the lotto draw, it will generate number selections for you based on numbers that it deems to be "good" for you.

**PC9381 LOTTO PROPHET:** Program designed to help increase the interest and pleasure of individuals and groups who like to play lotto and associated games, by helping keep track of numbers picked as well as recording previously called numbers. Program also lets you examine the relationships between the numbers chosen, providing a range of statistical reports on the winning numbers. A number of reports can be produced which may be of help in selecting future lotto numbers.



**PC9382 LOTTO MASTER PROFESSIONAL:** Program designed to maintain and track lotto bets, check bets against the lotto drawings, maintain a history of winning numbers, analyse historical numbers for significant information, generate bets based on statistical history, and support bets based on user selected numbers with statistical backup. It is an easy to use menu-driven utility for use as an aid to making decisions about placing lotto bets.

**PC9385 LOTTO BUSTER:** Program designed to help you unlock the riches that await those who play the various lotto systems. The author claims you can increase your chances of winning by 550%. Good luck on that one. Keep in mind though that there is no sure way to win at lotto. The only thing you can do is improve your odds by using a system. Any lottery program relies on a certain amount of luck. Lotto Buster attempts to unlock the biases that are built into the lottery number selection process.

**PC9386 LOTTO CHALLENGER:** Lotto number selection program that can be used with all lotto systems. The program uses statistical analysis to group the numbers drawn in previous drawings into several categories. Numbers are grouped into the categories Hot, Cold, Overdue, and more. Averages and percentages are calculated for each category for the previous drawings. The "Quick Pick" option automatically picks your numbers based on these averages and percentages, the "Number Systems" option allows you to use any of the 60 number options included in the program, or you can enter your own numbers. Program also allows you to compare its and your own selections against the winning numbers, and you can update the database of selections easily.

**PC9401 NATIONAL GEOGRAPHICS INDEX:** Gleaners index contains data on articles in National Geographic from 1957 to 1990. You can search by subject, display and print the results, split data into categories such as people, place, event, animal, vegetable, and object. Keeps title, volume and number, date, and category. You may add and edit the information.

**PC9434 TOURNAMENT SCHEDULER:** TMATCH is a round robin tournament scheduling program. It can be used to schedule games for up to 40 different opponents or teams such that no two teams play each other more than once until all teams have played each other at least once. The schedule can be saved to disk and recalled and printed to screen or printer. Does not handle results.

**PC9456 PERSONAL PRO:** Golf instructional program to help improve your swing based on your current performance. A "Swing Consultant" analyses your possible problems and gives you hints about topping, pulling, pushing, slicing, hooking, skying, and other golf errors. Written by the head teaching professional at the Golf Learning Centres of America.

**PC9457 CALLAWAY GOLF HANDICAPPER:** Golf handicapping system for 18 hole tournaments of players not previously handicapped. Uses Lionel Callaway's method of scoring that rewards for consistency and improvement. You can enter the data from the score-cards, and quickly get the results.

**PC9458 GOLF HANDICAPPER:** Database program designed to help set up and maintain golf handicaps. Allows you to publish schedules and maintain date of scores, scores, course ratings, slopes, and also computes the handicap, based on the last 20 scores. Print reports and tee off schedules for three different types of matches. Menu driven for ease of use.

**PC9459 FOURSOME GENERATOR:** Program allows you to keep a permanent record of each player's name, handicap, and status. From this information it calculates equal foursomes, based on handicaps, indicate any left over players, and rank players into four different groupings. A scrambling routine allows you to ensure no repetition. Produces printed reports including player listings including names and handicaps, printout of calculated foursomes, and more.

**PC9470 MORSE CODE TRAINER:** Good program for those learning Morse code or who wish to brush up their Morse code technique. Allows you select a speed to practice at and even generates its own test sessions.

**PC9500 ESIE EXPERT SYSTEM:** Expert System Inference Engine. An "artificial intelligence" expert system shell. You can build custom "knowledge bases" that can be used to aid in making decisions and such like.

**PC9501 DECISION ANALYSIS SYSTEM:** Program designed to aid an individual with a problem of choice in choosing and alternative that is consistent with his/her personal basic judgements and preferences. It consists of two separate programs: the Decision Matrix Method (DMM) and the Pairwise Comparison Method (PCM). The DMM application is designed to be used primarily with tangible and easily quantifiable data. It will provide the user with an unbiased ranking of alternatives considered. The PCM application is designed to deal with subjective assessments and evaluating of alternatives and criteria. It requires the user to develop a hierarchical structure of the problem, and enables him to quantify the impact of each element in this hierarchy on the overall goal of the study.

**PC9502 RANK AND FILE:** Program designed to help you in making decisions. Rank and File helps you by helping to rank the possibilities you must decide on. It uses Artificial Intelligence techniques to order a list of choices according to a list of relative criteria. Its uses are limited only by your creativity. Use it to decide which car to buy, which employees to promote, or almost anything. Good introduction to AI technology.

**PC9510 INSANITY:** Interesting program designed to introduce you to artificial intelligence. You must teach the program how to respond to various questions and from there it can develop the ability to carry out its own conversations.

**PC9700 A-FILTER:** Program calculates the resistor and capacitor values for various op-amp based active filter configurations. The filters covered are Low Pass and High pass, in 1st, 2nd, 3rd, and 4th order. Calculations will simultaneously include 7 response curves for each filter, best delay, compromise, flattest, slight dips, and more.

**PC9702 PC-ECAP:** Easy to use AC circuit analysis program which analyses circuits consisting of resistors, capacitors, inductors, transformers, transistors (both bipolar and FETs), operational amplifiers and transconductance amplifiers. Totally integrated in a single package. It contains a full screen text editor for preparing analysis input, an electronic circuit analyser that calculates your circuit's frequency and phase response, a high resolution display plotter that supports all common graphics adapters and a high resolution plotter for IBM/Epson compatible printers.

**PC9703 ELECTRON:** Electronic and electrical calculation program for hobbyist and professional. Calculations include 555 IC design, resistive attenuator design, zener diode for power supplies, shunt resistance for ammeters, DC Ohms law calculations, resonant frequency, resistor colour code table, power supply voltage dividers, conductor size, horsepower calculations relevant to electrical work, and many more.

**PC9710 SPEAKER PLACER PROGRAM:** BOUNDARY is a program designed to aid music lovers in determining the optimum placement for their loud speakers. Program takes into account the effects of the room boundaries on loudspeaker performance. The program provides a graphical display of the effect of the room boundaries on the response curve. Using these displays you can best determine the optimum location with regards the boundaries for your speakers. If used in conjunction with LISTENING ROOM you can optimise the location of the speakers for response and standing waves.

**PC9711 LISTENING ROOM:** Program designed to aid in the determination of the optimum position for loud speakers within a room. The program aids in determining how to minimise the effect of standing waves in a room, and determine the optimum location for speakers and listeners. When used in conjunction with BOUNDARY you can design the optimal listening environment.

**PC9720 OXY-ACETYLENE WELDING COURSE:** Interesting program that uses graphics and text to provide a tutorial on oxy-acetylene welding. Covers the basics of gas welding as well as advanced techniques such as welding aluminium, brazing and cutting. Takes advantage of all graphics system, and is a good example of the educational variety that computers can be used in.

**PC9900 COMEDY GENERATOR:** Program designed to take ordinary writing and make it funny. Originally designed for speech writers and performers, it can be used by anyone for a bit of fun. Easy to use, but requires practice to get the best results. You enter a sentence, and then select words from that sentence, and the program attempts to produce comic lines based on those words. Interesting use of PC.

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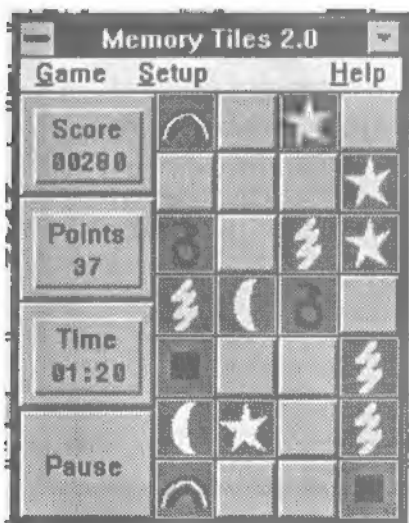
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# BUDGETWARE WINDOWS GAME PACK #1

Budgetware is pleased to announce the release of Budgetware's Windows Game Pack #1. Containing 39 games for use with Windows 3.0 and higher, this collection will keep you amused for hours on end, but will definitely not increase your productivity. We have selected the best available public domain and shareware games designed to run under Microsoft Windows and placed them together in this multi disk set. Each program resides in its own sub directory, so you can just place the disk in your drive, load up File Manager, and select the game you wish to play. All this for only \$39, only one dollar per game!



Games on the multi disk set include Checkers, for one or two players, Hop, an interesting strategy game, Mines, another challenging logic game, Pipe Dream, a windows clone of Main Break, Puzzle, a sliding blocks puzzle game with a unique twist, Slide, a more standard sliding blocks puzzle game, Triplets, an executive mind strategy game, Brick, a colourful brick blockade type game, Mile Bones, a clone if the Mille Boumes automobile card game, MisterMind, a computerised version of the old Mastermind game,

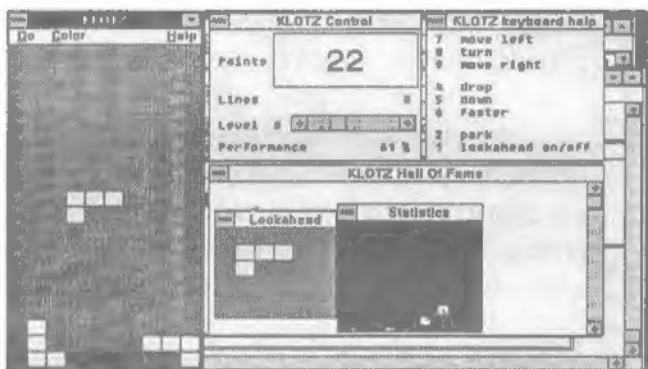


Moku, a board game based on the Japanese game of Gomoku, Taipei, a Mah Jong game for Windows, Video Poker, a great clone of the video poker games found in clubs around the country, Yacht, an interesting dice rolling game, Backgammon, a great Windows version of the classic game, Tse Tse, a great shoot em up game that is very addictive, WinChess, a Windows version of a good chess game, Yahtzee, a Windows

implementation of the classic game, Alien Force, yet another shoot em up arcade type game, Bang Bang, a cannon shooting simulation game, Klotz, a Tetris clone with speed control, look ahead, and other great features, Slot Machine, as the name suggests, a Windows based slot machine, Space Walls, another interesting shoot em up type game, Lander, a Lunar Lander simulation, Calculation Solitaire, a great solitaire game, Concentration, a Windows colour matching game, Roulette, an amazing Windows simulation which takes you right onto the Casino floor, Take One, a peg leap solitaire game with unique features, and many more.

To fully enjoy these games we recommend you have a VGA graphics system, and at least a 286 computer. We have made them available on 5 720K 3.50 inch disks or 3 5.25 inch 1.2M disks.

**\* Shareware programs require separete payment to author if found useful.**



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The Shareware system and the continued availability of quality shareware products depend on your willingness to register and pay for the shareware you use. The registration fees you pay allow authors to support and continue to develop their products.

As a software user you benefit from this system because you get to try the software and determine whether it meets your needs before you pay for it. Authors also benefit because they are able to get products to the user without spending many thousands of dollars to advertise their products. As a result it is not unusual to find shareware products which rival retail software that costs several times the amount of the shareware registration fee.

The Association of Shareware Professionals is an organisation based in the USA which is helping to spread the word on Shareware. ASP author members must meet strict quality standards with regards the functionality and support for their programs. Many shareware authors have become members of the association, and we strongly urge all shareware authors to become involved with this organisation. As a vendor member Budgetware along with other member companies are actively supporting the shareware principle and method of marketing.

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